aattggaggt ctgttcactg gtcctccttc tttctccatc gtcatcagaa tgcatctccc 240

tagatctcac tctgtgattt cgagtgttgg ctctgatacc aattgaaatt ctgataccag 300

gggacagatg tcgtaccgga tgtcacgaca tcacgcttca gaacatg 347

<223> unsure at all n locations
<400> 15424

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agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120

tttatacacg gatgtccggt tgagtcctgt aatatattga gacgctgcaa aatgaaaacg 180

gaagctcgta ggaaattcaa acgacaataa ctttttactt ggatgtccga ctgaatcggg 240

taatatatcg agacgctcaa aattgagact agaagctctg agcaaattga aatgacaata 300

actntataca cggatgtccg gatgagtccc gtaatatatc gagacgctca aaatntagat 360

ccgacgctct gagagaattg aatcgcaata actntataca c 401

<210> 15425
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15425

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aattaaattg tctcagagct ttggatcaaa attntgagcg tctcgatata ttacgggatt 120

catttcagaca tccgagtaaa aaattattgt cgttagaatt tgatacgagc ttccgttttc 180

aattttggagc atctctcgct aaattgcgat aggctatcgg gcatccgaga naaaagttat 240

tgtcgtttca tatttctaag agtttccgtt ttcaatttgg agtgtctcaa tatattacgg 300

gactcaaccg gacatccgtg tataaagtta ttgtcatttc aatttgctca gagcttctag 360

tctcaattnt gagcgtctca atatattatc ccgattcaat cggacatgcg agtaanaagt 420

tattgtcgtt tgaarttcct acgagcttcc gtttntcaatt tggagcgtct cgatatatta 480

ca 432

<210> 15426
<211> 404
<212> DNA
<213> Glycine max

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cttagatatg catgtatgta aacaaaaaca cacttcacaa aatatatata tatgtatgtt 120

taggtagcaa gataccttag atatgcatgt atgtagcaaa aagatacctc acaaaatata 180

tatatatatg tatggtagca agataccttg gatatgcatg tatgtagcaa aaagataccc 240

cacaaaatat atatatgtat gtttaggtag caagatacct tggatatgca tgtatatagc 300

aaaaatacct cacaaaaata tacacatgtt taggtagcan aatacctcat gaaaaaaaaa 360

aaaaaccaac aagattaaga aataaacaaa tgataatgat aaaa 404

<210> 15427
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15427

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agttggtcat tagaactatc aaattntgta atgagttctt tggaaaaaac cttttcctga 120

atgaaatgac aagtaaattt aatatgcata gttcatccat gaaacatcat attggtggct 180

atatgaagag ctttgcttga ttgtcacaac ataatttcac ctattggatg tctctaaact 240

tcaattcttg aaggagatat ttaatccaaa cgtgtgcaca agtagctgta cacatatcct 300

tatactctac ttctgcacgg tgcagtaaca ttttgctttt tactcttnca agagacaata 360

ttccctccaa taggtacaca ataccccana atacagcatt tgtcaatagg cgagcttgcc 420

caacctatat cacaatatcc 440

<210> 15428
<211> 325
<212> DNA

<213> Glycine max

<400> 15428

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[illegible]

ctctgacaag gcaaatatca agtattgtgg ggttatccaa aagatggaca aaactttgtg 300

atggttcaaa gctacgtccc ttctc 325

<210> 15429
<211> 371
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15429

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agaagaatgt ggcatttacc tgcggtgaaa aacaagagca agcatctgct ttgctcanag 120

aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaaggtggg cacgctattg 240

cttattttag tgaacaactt catggtgcca cccttaacta ccccacctat gataaagagc 300

tctatgcctt aataagagca ctccgaactc gcgaacatta ccttgtttcc aaggaattag 360

ccattcatag t 371

<210> 15430
<211> 437
<212> DNA
<213> Glycine max

<400> 15430

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cccatctttа atggagtggg taccactact ggaaaacccg catgcaaatc tttatagagg 120

caatagattt aaaaattttgg aaagccatag aacaaggacc ttatgttccc tctataatgg 180

ccggaagtgc aacaaatata aaaccatatag cagattggac tgaggaagaa agaagattag 240

tacaatataa tttacaggcc aataatatta ttacatctgc cctatgaata gatgaatact 300

ttagggtttc taattgtaaa agtgctaaag atatgtggga tacactacaa gtaacacatg 360

aatgtacaac agatgttaac agatctatga taaatactct aactcgtgaa tatgaactct 420

<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15431

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gaataaagag tggtggaatt tgcaggagga ttatgcttgt agatcattgt atcaagaacg 120

gggtcaaaat tctgaggaga atctatggag acacagaaca taggaattgc aaccttctga 180

tggatttcta cgtcgcccac aaggttaaca agctcaacaa aatcactgat aaggcgctga 240

ggaacataga acacctcaga actgcatatt atgagggttt tatcggtgtc gcttgtttct 300

ttgtaactga ctcgaaagtg cgctggcatc gtgctaacaa ccttctgtac cattcttgct 360

tgttgtgaaa cccatctgag tcctcaccat ttgtaatata gaagaccgag actcngatac 420

ctgaatccca gtaa 434

<210> 15432
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15432

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gaattaaatt gtatatacag gatcaatttg acactatgcg taaaacttta acacttgcat 180

cacttaataa tttacacgaa attaactaat tccaccattg attaagttta aacaattcca 240

tacaaaacaa aaactaattg atacttaatc aatatgctnt attttgatag ataatatatt 300

atgtctttta tgtgaaataa gtaaaaatatt tagttagatg aaatttcagg aatatgttta 360

atttatgtga tatttgatat acatgataga gaaagtaaat attatattaa ttcgcttaat 420

att 423

<211> 15433

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gaagggaatt ccaattgaag tagcaaaagg tttggccaag aaaattaagt taaaaagtct 120

tttacaagaa atttactctc tggtaatcga ttaccagagg atgtaatcga ttaccagtgg 180

ccaaaactga tttacaacag ctattaaaat ttgaattcaa aatttgcgct gtgtaatcga 240

ttacacatat atggtaatcg attaccagca gtttctgaac cgtttaattc aaattntaca 300

gcttgtaatc gattacacat atactgtaat cgattaccag atcagattnt cagaaaatat 360

tctcaatagt cacatctttg tatgtggttc ttgaatggct atcanaggcc tatatatatg 420

tgacttgaga ca 432

<210> 15434
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15434

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acacacacac acacacacac acactttttc ctagtcgatc acacacttct acaatctccc 120

cattntgatg atgtcaagaa acgcattcat acaacattca tggaaaaata taaaccaaat 180

catgaagcaa gaaccatgaa tataaaaacc acatagtcaa ataacataat taatatttgt 240

tcaaacatat catgcaaata aagaaatagt aaattgttca aatgtcataa taatatagat 300

tatntggata agtcactaac atctatcagt cctaattctc ttctaatggt gtaaaaggta 360

tcttttactta gnggttnttt aaaatgtctg caagttgaat tttagtatct acaaattcta 420

aaacaacatc accttntaga acatgatgtc taat 454

<210> 15435
<211> 457
<212> DNA
<213> Glycine max

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ttctcaaggt tataactctt ccaatgtttt cttgaccaga catgaagagt ctataaaagc 300

aagagcttga cttgcattnt aagtacttga tataactttt catatatact tttacaacct 360

ttgaatcttct ntgaaccatc atttgaactt cttcttcttc ttcttccttt gtcanaagct 420

ntctgagttn tctgatttcc aaaccttgtt atttcac 457

<210> 15436
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15436

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gtttcaataa actcatagtt ttgtctgcta ctcttctcaa tcaaatgaaa tagttaagtt 120

tgttcgctta aaaaaaactc atacttttgt cttattatta attttcgtat tagaagttga 180

tataaaagta tgttggaaaa taaaataaaa tatttaaatt tgcaatgata gatagttttt 240

aacgatcaaa ttataattat atttaattaa ttatttggtc tttataattc tataatttat 300

acattctagt ttctatagtt cgaaattaat ctttctaagt tttataattt atatcttaat 360

tctctggtta gttttatagt ctaaaattga tttatctagt tcttggaatt catattctaa 420

ttctnttttta gctcttatga 440

<210> 15437
<211> 463

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15437

[illegible]

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gatcctgttt ttgttagtca cttttggaag gaatntatgt cctttcaagg gattcaggta 300

tagcttttta tagcttatca cccacaaact gatggtcaat cagaagtggt gaataggtgc 360

cttgaaacat atctcaggtg catgtgtagt gactcttcaa cacagtggtc ccaaatggtg 420

cctcttgcgg aatggtggac aattccactt accacacatt att 463

<210> 15438
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15438

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aactctcgta aatgggagaa aaatgttcat ctaaagcata caagtcccta atattatcaa 120

ttcctaaaat ttaagctcct agggagcaaa acaatgtgtg tctcctagag agggcatcag 180

ctaccacatt tgtttttccc tttntgtatt tgataacata tggaaatttc tctaggtact 240

ctacccattn tgcatgcctc ttgtttaact tgctttgccc tctaatgtac ttaagtgatt 300

gatgatcact atgaatgaca aattccttgg aaacaaggta atattcccaa gtttggaggg 360

ctctnattaa ggcataaagc tctttatcat 390

<210> 15439
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15439

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tcctagtct aaactccaac ttttccattt gtttacggat gataaggtga tgctactttg 120

tgtcaaacat catagtgttg aaagaccttt gagaattgag caatacaaaa gtgtgtacct 180

[illegible] 240

[illegible] 300

tcaattccct aacaatcaaa cacttctacc tcctgcatgt tctgtaatgg catttcatgt 420

cgtctagata tgttgccgat tcgttgacca atattgcatg atc 463

<210> 15440
<211> 491
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15440

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ccgtgcacaa tgccatatca ccctcaaaca cctgactccc tgcagtcacc tgcactccat 120

cgccactata cctaatcata tgcacagtct tctcatacaa aatcggcaca ttctctgaca 180

aagcctgaac cagcttccca tttccccccag gcaaaaagca atggtctccc cccatatcat 240

atggatcatc ctggtcccaa aacgcaagcg aaagatttga caacaacccc gcattcgcat 300

actccaaatt tgcgagatgc caattaaaca aattcatttc ctcatcactc actgcgtcct 360

tataaacctg actgaatgtc tncagcgcag ccncgagcga cacantccac cgaaacctcc 420

ncatcagctg cctcagccta ctcgccttat caagcaaccg attaaacgca gactccacct 480

tcacatccat a 491

<210> 15441
<211> 426
<212> DNA
<213> Glycine max

<400> 15441

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atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttgttt gaattttgctc 180

agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

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cgagta 476

<210> 15442
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15442

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atcgagacgc tcgaaatgga ataccgaagc tctgagcaaa ttcaaacgac aataactntn 120

tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aataccgaag 180

ctctgagcaa attcaaacga caataaactt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctcgaaatt gaataccgaa gcgctgagca aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaaa cgctcgaaat tgaatgttga 360

agctctgagc aaattcaaac gacaataact ntntactcgg atgtctgatt gagtcccgta 420

atatatcgag atgctcgaaa tggaataccg aagctctgag caaattcaaa cgacaataac 480

<210> 15443
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15443

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ttactggttt agctccatcc tctaaatttta ttcgatgcat acatttggat gggctaatgc 120

caggaatgtc caccagggtc cagcctatag ccttcttatg attcttgaga atagacaaca 180

acttctcctc ttgctcatca gcaagggagg caaatataat caatggaaaa gttctgctat 240

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ggatagtggt agaaaagagat 320

<400> 15444

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aaatgttaaa caactaagaa gcaaattaaa gcagacctca cattttcaaa aaaaagattc 120

gaaagaattg aaagttttga agaggcaata tgcggcacta ccaaaacaag aaaaatgtag 180

catttaccag cagtaatttct tattagctnt tgtttatttg atttgggtaa tatagatagc 240

taccaagata agcagaattt tattacaaaa gatttatcta ttgaagttct atttatttct 300

ctttacataa ttatgcatca tcttttcttgt ttttcgtact ttagaatttc atacccgtata 360

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acatgtatga actntntgcg tgaaagtatt ttgatatttg aattgctaag atatata 477

<210> 15445
<211> 424
<212> DNA
<213> Glycine max

<400> 15445

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atttccattc acaggtttag cgacatcaac atcatcactt gagccctcac tttcaatgtt 120

tccattatcc agtaatatca tgcctctttt atttggacat tgagaagcaa tatgaccaac 180

tcattgatac ctgaaacatt tgatatcatg ggatctagaa gatgaattaa tttccatttt 240

acctttaggt gcagcacatg aatttttgga cttagcttca tcttttgact ttgtcataga 300

atttctgttt tgccaatttg acttccatga ataagtggaa tcaaatttgg aagtactctt 360

agctatcaat tgcctctcca cttgaataga ttatgcagc aagtcctcta tctccacata 420

atga 424

<210> 15446
<211> 460
<212> DNA
<213> Glycine max

[illegible]

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ggaagggttt tgtcatgctt ttctcccttg caaatccaat acatataaga tctctttcga 300

tataaagtag aagtgttttt gagagttttt ttaataaaat aatttatatt tataatagag 360

aaactttcaa aagcatgtat gaattgtatc caaacaaatt cctaatgggt tctagagtgc 420

acaaggttgt aatgtcaagc acggtacaca agttttcttа 460

<210> 15447
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15447

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taaagagagt tttcattgcc caaaaagttt tatcctctca aaagattaag agtttttctg 180

aactgaaatg tcttatcctc tcaaaaagat tccttggtca accacttgca tattcaataa 240

ggaattttga ttgatcttca ttgtacaatc tatctttttt aagagagatt tcttcttctc 300

ttcttcttac ttctgaaaag ggattaagag actgagagtc tcttattgta gaggattctt 360

gaacacaagg gaagggttgt ccctgtcgtg gtcagacttt gtaaaagntg ttttacaaag 420

agagtgganc atctcaagtg ggtttcttga ggactggacg t 461

<210> 15448
<211> 431
<212> DNA

<213> Glycine max

<400> 15448

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[illegible]

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<210> 15449
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15449

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tcgggagtag aatcaccagc ctacaataaa acaacagttt cacatgacac acaaacatct 180

ttcatttcga ccttcatcag aaatgaaaat gcctaccaca atcaaaatag ataatggaac 240

atctgaatta ccttaacctt gtgtgcccgt cttgggaaca caaccaattt ggccttgtat 300

gttttcagcc tcngcacatt agctggcaga ctntccaaag aacggttctt gcgacgatga 360

tcaacagcaa tacctat 377

<210> 15450
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15450

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tcactttcta ttcaagttac aaattcgctt aacaatgaac ttcttaaata ttgattcaaa 180

tagatcaatc tgaatataaa tataaaacaa taataaataa aagagtttaa gggaagagaa 240

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<210> 15451
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15451

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tctcgaccat ctgagaggat tgttccacag actgcaagaa cctcaaaact cgcttccaat 180

ttcctccaca tctatcatac agctcccctct gagaattcaa acccatcctt gcaaaggtaa 240

catgggaggc acacaattga aatgcagcaa agtcaaccaa ggacttgaac ttgaaagggt 300

gcaaaccatg actaccacca aaagttttgg aagtcaattc taaacanaca aggtccattg 360

cactgagcct gcccgagcac agaatttcta ataccaaatg tgatggcaat tcctcaatgg 420

aaaaatggtc tgcaacggtc tccatcctc 449

<210> 15452
<211> 450
<212> DNA
<213> Glycine max

<400> 15452

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gaaaagaaac aatgccttag ggcaacaata tttggatgat ccagcatttg cataatttgt 180

aactctctat tcttgtatcg cttgtcctgg agaactttct tgatggccac aatttctcct 240

gtttctctac attttgccta ataaaagcat tgataaaacg aagaaggtat catcagtatg 300

tcatacatca acagcatggt gtttagaaga gatatgaaaa gcaaactcac ctgaaaaaca 360

acaccaaaag agcctgtccc cactacatgc tctgcaatat aactaacatt ctgtcaactc 420

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<223> unsure at all n locations
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ttatgatggg cctttgacac tataaccact taaatttcca tatgttggat agtcattaag 180

gatgcaaaaa accattgcac gcaacctaaa ggtctgctgc agattcccat gccacacatc 240

taccccatct tcccacaatt ntgtcaagtc ttcgatcaac gaaatcaaat agacctcaat 300

atcattccct ggctgtcttg gagccactat catcatgcan agcattatgt acttttgctt 360

catgcacaat caaggaggga agttgtaaat cattagcana acagactatg aactgtgat 419

<210> 15454
<211> 474
<212> DNA
<213> Glycine max

<400> 15454

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cattgccttg gagattgttt caaaccatac aaggaccttt gcagctgaca aacatacctt 180

tcttttactt gaacttcaaa cccttcaggc tgtttcatta gaatattttc ttccaatctt 240

ccatggagaa aagcagtctt gacatcaagt tgttcaagtt ccagatcttg gtttgccact 300

atagcaagca gaaccctgat ggatgtatgc ctaaccataa gagataaaat ttcgttgaaa 360

tctattcctt ctttctagct gaatcccttg gcaactaacc tagccttgta tcttatccct 420

tcctttttcta aaagaccacg tttcctcttg aatatccact tgcaacctac caca 474

<210> 15455
<211> 417
<212> DNA
<213> Glycine max

[illegible]

aacagtgctt ttcctatcat cctttatcacc acatcaatct gaatcactat aaccaaacac 180

[illegible] atatttcttct gactgtaagg atataaaatg ccaagatcca atgttccttt 240

[illegible] agaatcctct ntgctgccaa gaagtgaggt gcctttggtt tctccataaa 300

cctacttatc aatccaacac aatatgcaat atcaggtcta gtgttacata cgtatctcaa 360

tgaagctaca atttgcttgt atcaaggtagg atcaacttct ttctcatccc catctat 417

<210> 15456
<211> 446
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15456

ntgatgcaac atttggagag gttaatgaaa caacgagatg atgcgctcca tgagatgttg 60

gatcttatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120

gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180

aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240

aactatgagg aggaccaaaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300

gtgtgtgtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360

tgganggaga tgnanaaagat catgaggaag cggtatgtgc cggctagtta ctcaagggac 420

ttgantattca agcttcanaa actaac 446

<210> 15457
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15457

agcttataat atatcgatac gctcaaaatt aaacatcgaa nactctcgag aaattcaaat 60

ggccgtaact tttcacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 120

[illegible]

[illegible] gaaattgaac aacggaagct ctcgagacat taaaatggtc ataacttttc acactgatgt 360

ccggattaagg cttataatat atcgattcgc tcgaaaataa acatcggaag ctct 414

<210> 15458
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15458

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tcaatttcga gtgtcactat atgtgatgcg ccacaattgg acattcgagt taaatgttat 120

gaccatttga atttctcaag agcttccgtt gcacaattct gagcgtctcg ttatgtgatt 180

cgtctgaatc ggacatccgt gtganaagtt atgaccatat agatttctca agagcttccg 240

atgttcaatt tcgagcctct cgacatatta tgcgcctgaa tcggacatcc gtgtgaagag 300

ctatgaccat cttgatttct ccagagcttc cgatgctcaa tttcaagcct atagacatat 360

tatgcgcctg aatcggacat ccgtgtgaaa agtatgacct ttgaatatct ccacaacttc 420

catagtaatt tcaacgt 437

<210> 15459
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15459

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taaatagtgt atgggcagga tatccagaaa tcatgcatat tgcattgtac ataaagtcac 120

aaacaagggt actcaagcat gttaatatct gcaatgtcca tcacatttnta aacagatcaa 180

ggaataaagt caagagggtt acagcatcca cagaggcttc agctgcgcct ttgaaatagc 240

caatagatcc ctcaataagt ctttctatatc cttgctctgg agcaattaga tgtggctgat 300

[illegible]

[illegible]

<210> 15460
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15460

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ctgaaacaag atgtaattat gttctttaca ctattcactc ttatatttgg ggtccaagcc 120

gagtcacatc ttttggtttc aagtattttg ttacctttat tgatgaatac tctagatgta 180

cctgngttta tttaatgaaa gatcaatatg aacatttacc tatattcatg tctttcttta 240

atgaaatcaa gacccagttt ggaaaagtaa ttaagattct tgcgagtgat aatgccaaag 300

aatatttctc ctctaatctc tctttggttt aaccacacaa ggcattttac atcaggccac 360

atgtcctcat acaccacaac aaanatagta t 391

<210> 15461
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15461

agctttcatc aaattcaaac gacaataact ttnttcctca gatgtctgat tgagacccgt 60

aatatatcga gacgatcgaa attgaattct gaagctctga gctaattcaa acgacaataa 120

tgatttgctc ggatgtctga ttgagtcccg taatacatcg agacgctcga aattgaatgt 180

tgaagctctc agcaaattca aacaacaata actnttttact cggatgtctg attgagtccc 240

gtaaaatatc gagacgctca gaattgaatg ttgaagctct caacaaattc aaacgacaat 300

aacttttttc ctcagatgtc tgattgagac tcgtaatata tcgagacgat cgaaattgaa 360

ttctgaagct ctgagctaat tcaaacgaca ataatgattt gctcggat 408

tcagaattca atttcgagcg tctcaataga ttacgggact ctatcagaca tccgagcaaa 60

acgttattgt cgtttggatt agttcacagc ttcagaattc aatttcgatc gtctcgatat 120

attacgggtc tcaatcagac atctgaggaa aaaagttatt gtcgttggaa tttgctgaga 180

gctcaacatt caattttgag cgtctcgatg tattaccgga cttaatccga cattcgagtt 240

aaaaggtatt ggtggtttgaa tttgctgaga gcttcaacat tcaatttcga gccgctcgat 300

attttaccgg actcaatcag acctccgagt aaaaagttat 340

<210> 15463
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15463

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gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120

gttcctagac aaaaccaaat tgatggtatt aaactcaaca ttcctccctt taaaggaaag 180

aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240

aactatgagg aggaccaaaa ggtgaagctt gtcgccatgg agttttccga cgatgctctt 300

gtgtggtgga acaaactaca aaaggagaga gcaagaaata aagagccaat ggttgataca 360

tgggtagata tganaaggat catgaggaag cggtatgtgc cggctagtta ctcaagggat 420

ttgaaattca agctccaaaa actaacc 447

<210> 15464
<211> 294
<212> DNA

<213> Glycine max

<400> 15464

agcttccatc tcnattcact cagaggtcag attcgggcac ataatatgtc gagatgctcg 60

[illegible]

ctcgtaattg tancacgaaa gctcttcgagt aacttcaaat ggtcataact tttt 394

<210> 15465
<211> 419
<212> DNA
<213> Glycine max

<400> 15465

tgaatcggac ctcagtgtga aatgttatga ccattttaat ttcacgagag cttccgttgt 60

tcattttcga acgtctctat atgtgatgcg ccttaatcta acatccgtgt gaaaagttat 120

gaccatttga atttctcaag agcttacgtt gttcaattat gagcctctcg acatattatg 180

cgcccgaatc ggacatccgt ttaaaaagtt aagaccattt gtatttctcg aaagctatct 240

tggttcaatt ccgagcatct cgacatatta tttgcccgat tctgaccttc gtgtgaaaag 300

ttatgaccat ttgaatttct cgagagcttc caatgtttaa tttcgagcga ctcgatatat 360

tataagcatg aatcggacct tagtgtgaaa agttatgacc atttgaattt gtcaagagc 419

<210> 15466
<211> 426
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15466

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ccctagcctt gcaacaagtt ctagggaagt agacacggag atggacaaga aaatccgcgg 120

tattgtgagt agcattttga aagaagcttc tgtgcctgat gctgagaaag atgttccaac 180

atcttccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240

ccgaaatgct gaagccctcc cttcacccag tgaagaggaa tcaacacaag aagaggatca 300

agcttcanag gagactcctg caccacgggc accagaacct gctccaggtg acctcattga 360

cttggaagaa gtagaatctg atgaagaacc cattgccaac aggttggcac ctggcattgc 420

ggaaag 426

<223> unsure at all n locations
<400> 15467

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tatgcaagaa gcatatgatc aaatgcagac tccattagcc cgccaaatac cacctgcctt 120

ggtaagtata atcctatgat tcccaattga cttgaatttg tgatttctct ctgctttatc 180

ctatatcttg ttcttcaagc aggggctaaa ggagctgaag gaatccacca tccaactggc 240

ttcaagtcat ggatacattg attccctgt tgatgagact gttttcgatg tggataacga 300

tgttgatgac cttctgccag ttgaagttaa agaacagcgc ctcagcaatc tgctgcaggc 360

attgatggtt gcggcttgtg ttgctgctat gcctcttttg aagaagatac caacttcagt 420

<210> 15468
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15468

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gaagctcttg atatattcaa atggtcataa cttttcactt gagtgttcga ttcaggcaca 120

tcacatttcc agacgctcga tattgaacaa cgaaagctct cgtatattca tatggtcata 180

acttttcact cggatgtgcg attcaggcgc atcgcatttc gagacgctca aatttgaaca 240

acagaagctc tcgagaaatt caaatggtca taacttttca ctcggatgtg cgatttaggc 300

gcatcacatt tcgtgatgct tgaaattgaa caacggaagc tctcgagaaa ttcaaatggt 360

cataacgttt aactcggatg tctgactcan gcgcatcaca tttcaagatg ctcaaaattg 420

aacaacggaa gctctcgaaa aattcanatg gtcataactn ttcacttgag t 471

<210> 15469
<211> 374
<212> DNA
<213> Glycine max

[illegible] 60

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aatatagatta gtaggctaat tttgcatatc tgacctgctg atgagactgg aacatgataa 240

tggtgtagaa ctccagttgc tggaagatac cctttttgaa cattatcagc atagattcga 300

gcttcataag catgacctgc catcacatac agagttataa tatactgaaa cttcaaggcc 360

ttaatagat ggat 374

<210> 15470
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15470

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ccctcattaa gaactagctc ttttcttccc ctattgcctt tagttgaata caccttttgtt 120

tggttctcta tttggttctt aaccctctca tgcatcttct ttacaaattc tgacctagat 180

tcccctttct tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtgtt 240

aggggattga acccatagac aaccctcaaaa ggggactgct tggtggtttct atgaacccccc 300

ctgttgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgcctttc 360

agaaagagccc ttannagggt ggataaagac ctattcacta cctct 405

<210> 15471
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15471

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atgatgggat ggttcttagt gctagacgga ggaaggacta caaattgagt gggtggcggt 120

ccgtgatgga gtttcaatag tgaaatatga aacgtgggat gaatcttaga agaagatggt 180

[illegible] 240

[illegible] 300

tatgt 365

<210> 15472
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15472

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accatactct ttccaaatgt agacggccta gtggatttag caacgatcga cgcttttctt 120

gcttatcacc acaataagga aagcccggtc attactgatg caatcctccc taggaaggga 180

caagtcacta gagccatgag caaaaggctc caagaggatt gggcaagagc tgctgataaa 240

ggccctacgg ttcttatgaa cctcagggta gatttctgag cccatgggcc aaggttgggt 300

ccaattatct ttgtacatat tatactagga tgtcattata tgtgatcctt gtatttagga 360

gtccataatg taagtagggt accctagaaa tatacgagtt tntagccctt gtattttacg 420

gcacttagac tactt 435

<210> 15473
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15473

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ccgggttcga agacaaccct ctttctcccc ttgttggctt gtttagcata gctttattt 120

ttcctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgccttgct 180

tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240

agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300

ctattgtaag caaattcaac atggggtaaa caagcttccc aagtttttaa gttcttcctc 360

<211> [illegible]
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15474

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atccagacgc tcgaaattca gaacataagc tattagaaaa atcaaacgat aatcactttt 120

aactcgggtg tccgattgtg tcccgtagta tatcgagacg ctcgaaattg aaaactgaat 180

ctctaagaaa aatcaaacga caataacttt ttactcggat gtccaattga gtcccgtaat 240

atatcaagac gctcgtattt gaaaatagaa gctcttagca aattcaaacg acaataactt 300

ttactcgga tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tganaaggga 360

agctctaaga aaaatcaaac gacaatgact tttaactcgg atgtcggata gagccccgca 420

naatatcgag atgctcgaaa ttganaacag aagctctgag caaattcaaa cgacaat 477

<210> 15475
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15475

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gcagtgtcaa ggacctcaac ccgtagcacc ttcctcatct gcaaatgaac ctgcccaact 120

tgtctctaac ccagaaaaag gtaatgacaa aaatttacct aacaatttct atgcagatga 180

atcttccact ggcaattctg atttgcagaa gcagcacatc cctcctcttc cattcccncc 240

aagagcggtt tccaacaaaa aaatggaaga tgcagagaaa gagatcttgg aaacatttag 300

aaaagtagag gtaaacatac ctctgctgga tgcaatanag canattccaa gatatggtaa 360

attcttgaag gagctgtgca ctaataaacg gaagcttaaa ggaagtgaac aaattagcat 420

gggcagaaat gtctccgcat tgattggtaa atctgttccc caaattcct 469

<400> 15476

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ataaaaatca aagaagtatt atttttaaaa aattattgat aaaaagcata aatagaaagt 120

tatttaattt aaatgtataa attaattcaa acgttcattt cctaatgggt gaataggtac 180

ttctgaaata tattgnggcc ggtaatatag tccactttca ttacagtcaa ttgctagctg 240

ttaattaatt ataatttttc ttttatcttt ttactttgat ttattcaata atttttattg 300

gttaacaatt tcaaatgaat tctttaaaaa aaattgtcat taatattact catcttgact 360

cctgagttnt gataattaca ttcctactct tgac 394

<210> 15477
<211> 333
<212> DNA
<213> Glycine max

<400> 15477

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tacactctga tacattgagc accaagagat tagtgatgct ccaaaattga aaacataccc 120

agcagtgctt ttcctatcat ccttatcacc acaccaatct gaatcactat aaccaaacac 180

ttctccttct atattcttct gactgtgagg atataaaatg ccaagatcca atgttccttt 240

cacatacctc agaatgctct gtgctgccaa gaagtgagga gcctttggtt tctccataaa 300

cctacttatc aacccaacac aataggcaat atc 333

<210> 15478
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15478

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acaaagaaga cctcttttgtt gatgctaaca attcagtgtc tgtgaaagaa gcatatgaag 120

[illegible] 180

gtattcttct ccacctttca gaatccatca tcangctaag cgtagaatgg aacttgagtg 360

ggataaatgaa tatggtagtg gtagctcana gatcatgaag cttaccatca cttatc 416

<210> 15479
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15479

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cgctaagaga ataaaggtca ttcctgagtg gcctactcca tcaagtataa gggaaatttg 120

gggtttcaat gatttaacaa acttttacaa aaggtttgtc ccatattttt ctatacttgt 180

agcaccactc attgagttgg tgaggaacta tgttctctca tggaaagatg gtcaagaaag 240

gcgttttcag tccttaccct actctaacat acccaacatc actaattcaa tgttntaatt 300

cttttaacag gtgttgagaa aagaatccct gagtttcaag aacctctgga tttgaggtca 360

aatcctttnt tacgcattaa gatcaataga 390

<210> 15480
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15480

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tgcacctgtc gccagactct gtggtttatg ctcctctgcc gaccaccaca tagacctttt 120

cccttctgtg caacaatctg aagtaattga acagcctgaa gcttatgctg caaacatcta 180

caatagacct cctcaacctc agcagcaaaa tcagccacaa cagaacaatt atgacctctc 240

cagcaacagg tacaatcccg ggtggaggaa tcatcccaac cttagatggt cgaatccttc 300

acaacagcaa caacaacaac aacaaccttа ttttcaaaat gttgctggcc caagcagacc 360

<210> 15481
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15481

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ccaacaaagg gagaaagaag gttgtcttcg aacccggaga ttgggtttgg gtgcacatga 120

taaaagaaag gtttccggaa caaaggaaat catagcttca accaagggga gatggaccat 180

ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240

atgttagttc caccttcaat gtctctgatt tatctctctt tgatgcagat ggagaatcca 300

gattgaggac anatccttct caagagggag agaatgatga ngacatga 348

<210> 15482
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15482

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catattgaga cgcttgaaat tgaacagcgg aagctcttga gaaatagtaa tggtcataac 120

ttctaactcg gatgtccgat tcangcgact cacatataga gacgcacgag aatttaatgg 180

tcataactgt tcacactaaa gtcctattca ggcttataat atatcgagat actcgaaatt 240

aaacatctga agctcttacg aaattcaatc ggcataattt 280

<210> 15483
<211> 319

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15483

[illegible]

[illegible]gaagctct cgagaaattc gaatggtcat aacatttcac [illegible] 240

[illegible]ataacttat ctagacgctc gaaattgaac aacggaagct ctcgacaaat tttaatggtc 300

[illegible]aaattttc acacggatg 319

<210> 15484
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15484

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aatntctcga gagggtttcg tgttcaattt cgagcatcta gatgagttat gtccctgagt 120

cgaaaatccg tgtgaaaagt tatgaccatt cgtaattctc gagagctttc gcagttcaat 180

ttcgagcgtc tcgatatatt atgtccccga atcggacatc tgtgtgaaaa cttatgacca 240

ttcaatattc tcgacagctt ctgttgttca atntcgagcg tctcgatata ttgtgtctcc 300

gaatcggaca tccgtgtgaa aacttatgac cactaaaatt tgtcgagagc ttgcgttgtt 360

caatttcgag catctccata tataat 386

<210> 15485
<211> 417
<212> DNA
<213> Glycine max

<400> 15485

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caaaaagtta ttgtcgtttg attttgctcg gagcttctgt tctgtatttc gagcgtctcg 120

atatattacg ggattcattc ggacattcga gtaaaaagtt attgtcattt gattctgctc 180

agagcttctg ttctgaattt cgagcgtcta gatatactac gggacacaat cagaaatcca 240

agtaaaaagt tattgtcgtt agattttgct tagagcttct attctgaata tcgaacttct 300

cgatatacaa cgggatacaa tcggacagcc gagtaaaagt tattgtcaat ttattttgct 360

<211> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15486

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agaaatgttc atctaaagca tacaagtccc taatgttatc aaatctctana atttgagctc 120

nanggagca aaacaatgtg tgtctccttag agagggcatc agctancaca attgtttttc 180

cctttntgta tttgataaca tatggaaatt gctctangta ctctacccat tntgcatgcc 240

tttgtttaa cttgctttgc cctctaatga acttaagtga ttgatgatca ctatgaatga 300

caaattcctt ggaaacaagg taatgttccc aagttcggag tgctcttatt aaggcataaa 360

gctctttatc at 372

<210> 15487
<211> 413
<212> DNA
<213> Glycine max

<400> 15487

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tcttcccact tcatccacct ttcctaggtt tgcatagagg ggaagcacaa ttcggcatat 120

ccaccgattc tgtttataag tttccccttc catctccttt aataaagttt cagccttatc 180

ttgaagccca taagagatgt aaagcctaat caaaacaacc tgcgtagtga tgtctggttc 240

aatgcctcga gccttcatcc tatcaacaat ttgatccatt ccatcaataa cttttggact 300

gacccttcngt gtctattaag atcgaattaag tatgaggaaga anggttgata ttctcatttt 360

ccatatcaat aacacatcag ctatttccrt cctgtcattc cttctataca gaa 413

<210> 15488
<211> 351
<212> DNA
<213> Glycine max

caatcacctg tgtttgttgc ttatggggag ttaggcaacg tgtgccgctt aaagaaagtg 180

ttaatggctt gatgcaatca cctagatctt ggttttggaga ttaaggggtg tggccttgct 240

tttgactgaa gctgagtcaa agagatcata ctgtaattta taacaatact aaccttggca 300

gcatcttact tgtggatatg ttatgatatt gtgaaacaag aagtgatata a 351

<210> 15489
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15489

gaacaggaac attagttatc tgttatttca tagcaataaa agccttctct tgttgatccc 60

tccattcaaa aacaacattt ttcttaacaa tttcatttag atgtgcagcc aangtgctaa 120

aatctctaac aaacctccta tagaaacttg ctaagtcatg aaagctcctt acctcactta 180

tattttatgg ggttggccaa tcatgaatgg ctntcacctt ctctagatca acctgcattc 240

cttgcgagct aacaataaat ccaagagaaa tgacatggtt catacaaaac acacatctat 300

gcacgttaac atacaatttc tcacacctaa gtggcttcaa gatacacctc aaatgcacaa 360

catg 364

<210> 15490
<211> 285
<212> DNA
<213> Glycine max

<400> 15490

gctggccttg aatcaaaaat ctgaccacca tacagacctt tgcccttcca tgcagcaacc 60

tggagcaatt gaccagcctg aagcttatgc tgcaaatatt tacaatagac ctcctcaacc 120

tcagcagcaa aatcaaccac agcagagcaa ttatgacctc tccagcaaca gatacaaccc 180

tggatggagg aatcacccta acctcagatg gtccagccct cagcaacaac aacagcagtc 240

tgctccttcc tttccaaatg ctgctggccc aaacagacca tacat 285

<213> Glycine max

<223> unsure at all n locations
<400> 15491

nactatccgt ttcagacatt cttctgataa attcatnagc aagatccagt cttccacact 60

ttgcatacat gtctgtgatg gcagatccca cattaactat attctccaat ggtttctnta 120

gaatatcaca atgcaactcc ttccctaatt tcagagcagc caaagcagca caagctggca 180

aaacactagc catggttagg gaattaggca ccattcccnc ttgaattaac cacctaaaag 240

tggttatagc atcgatattc agcccatgaa gcacataacc tgagatcata gctgtgcana 300

ctgcaacatc aaccaaagta ttctgctgaa aatcttgcgt gccatctcca catctcctcc 360

ctngaagtat at 372

<210> 15492
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15492

gccgagttga gaacaactta atgtgttcca ttagcttctc aggacgatat cttgcataca 60

gaactcccaa ctcagtanag atacccatat gtgcacgctc caatcctaac ccactctcca 120

ttagagatat gagttcattg aagcatcctc tgttctgata gtactcgcta acctcctcca 180

natcatccac cttcaatata aaacagatag taagtattca gacaaggtca aaagqttaga 240

caaagcaatc aaaagttntt ctggcacttg gttttagtat tttgctacta gctacatcct 300

ttaacttgca tttaaaggat ntccaacatg ggaagaattg tgtagtaatt ttggagtgag 360

gagggaggaa tcattcctgc aagtacaaaa tccaca 396

<210> 15493
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations

aatatcatg cgggttcttg tggagtgttg cttgcaagag aaagctttta acaagtatta 180

taccgtgttg gcttccaagt tatgcgagca tgacaaaaat cataagttta ctctacaggt 240

attgatttttc tctcctgtt gtaggattta gatgagaact aaatngtgga attgtgtact 300

attngcctca tgagtcanaa cagttacatt ttttaactac tcacagagag ggaaaatatg 360

actagaggaa catttattat gaaatatatg agtgcatcat 400

<210> 15494
<211> 368
<212> DNA
<213> Glycine max

<400> 15494

cgaaattgat caacagaagc tctcgagaaa ttcatatggt cataatttgt tacacggaag 60

tccgattcat gcgcataata tgccgagacg ctcataaatg agcaacggaa gctctcgaga 120

aattcaaatg gtcataacat atcacacgga ggtccgattc cggcggatag tatatcgaga 180

agctcggaat tgcacgacga aagctctcga gaaattcaaa tggtcataac ttttaaaacg 240

gaagtaagat tcaggtgcat aatatatcca gaaagttgaa attgaaccac ggaagctgtc 300

gatatattca aatggtcata acttatcaca cggaagatcg attcatgcgc ataatatatc 360

gagacgct 368

<210> 15495
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15495

agcttntgaga taattcaaac aacaataact gtttacacgg atatctgatt gagtcatgta 60

atatttcgag acgctcgana ttgaattcng aagctctgag caaattcaaa cgacaataac 120

tttntactcg gatgtcttat tgaatcccat aatatatcga caagctcgaa atagaatctt 180

gatgctctga gcaaattcaa acgacaataa ctntgtactc ggatgtctga ttgagtcctg 240

[illegible] 244

<210> 15496
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15496

aatattgtag ccgatgctct ntctcggcgt catgcattac tttctatgct tgaaacaaaa 60

ttgattggtc ttgaatgttt gagaagcatg tatgataatg atgaaacttt tggagaaatt 120

cttaagaatt gtgaaaaatt ctcagataat ggtttcttta tacatgaagg ctttcttttc 180

aaagaaaaca aaatgtgtgt gcctaaatgt tctactagaa atgttcttgt ttgtgaagca 240

catg 244

<210> 15497
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15497

agctttgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60

cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

aaagatgtcc agattgcaac tcctggctac aaaattcgaa aatctgaaga tgaaggagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

cggagagagg ataacagatg anaagctggt gagaaagatc ctcagatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagttga 360

tgaactcatt ggtttctctc aaacctttga gct 393

<210> 15498
<211> 403
<212> DNA
<213> Glycine max

gtccttgatt nttttcaaggt ccactttggac cccatttcta ccaactacaa accctaagaa 121

aactatatta tctatacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctangctcc tactctacac 240

taaaatatca tcaaaataaa taactacaaa tctacctatg aaatccctta agacatgatg 300

cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca atcttggtct tgaaagcggt tntccactca tca 403

<210> 15499
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15499

tcatcaacta cttgtttcca agggaaattc tataaacaga cctcccatct ttaatggagt 60

gggttaccac tactggagaa ccngcatgca aatctttata gaggcaatag atttaaatat 120

ttgggaagcc atagaacaag gacttatgt tccctctata atagccggaa gtgcaacaat 180

agaaaaacct atagcagatt ggactgagga agaaagaaga ttagtacaat ataatttaaa 240

ggccaaaaat attattacat ctgccttagg aatagatgaa tactttanng gttcaaattg 300

tanaagtgct aacgatatgt gggatacact acaagtaaca catgaaggca caacatat 358

<210> 15500
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15500

agcttttgtt cttcagccac caatccatta tcttgaaagg tttaggtccc caatcattgg 60

ttctagacct caataggatg gggcaatgat cagagaaatc tctatccaac acgaattgag 120

tagtatctag ccattgggac agccagtcat cagaaagaag gaacctatcc aatttgctca 180

ctatgaagat cctcctcatt ctcanaataa ctattattga 417

<210> 15501
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15501

cggaaatgcc tgccctagag acctgngatt ggtatcatag ttagttagta taatataata 60

tctaattatc tattcatatc ttctgagttt tcaaatggga ggagggagtc aactcagtca 120

agtttagaaa ttgtaggctc atcttaagaa agaaaaagaa acacaactca catggagcca 180

gtcaatacag caaatattac agtcaaaacc ttgccttcag tatatccttt ctctattatc 240

attgttgcac caaaccatac agccagacca taactgcaga taaaaacaaa gtagagcaaa 300

ccatatccca naccagaggc tagtgcctct tgcactccag tcttatatg 349

<210> 15502
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15502

agatggacca ttcaagtgct tganagaatc aatgactatg cttacaaagt tgagctgccc 60

ggtgagtata atgttagttc caccttcaat gtctcagact tatctctttt tgatgcagat 120

ggagaatccg atttgaggac aaatccttct catgagggag agaatgatga tgacatgacc 180

aagaacaagg gctaggatcc acttgaagga cttggaggac ctatgacaag ggctagaaca 240

aggaaagcca aagaagctct tcaacaagtg ttgtccatac tatttgaata cacacccacg 300

cttcaaggag aaaacgtcaa agttgtgagt tgtatca 337

<210> 15503
<211> 357
<212> DNA
<213> [illegible]

aacnttctat agaagcttgc taacccatgg aagctcctaa tatcnccnac actttttggg 120

gtgggccatt cttggatggc cttgattttc tcaaggtcca cttggacccc atttctacca 180

actacaaaac ctaagaaaac tatattatct acacaacagg tacacttctc tatatttgca 240

tagagggtgg ttttcctaag gactgataga acatgcctga gatgtcctaa gtgatcatct 300

atgttcctac tgtacactaa aatatcatca aaataaacaa ctacaaatct acctatg 357

<210> 15504
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15504

atcttcaatc ttctcacaaa ggagaagaca aagtaaataa ggtgtgtctc caaactctta 60

agaggtgagt ttgaatcctt acatatgaaa gagtcggagt ccatttctga ttattnttca 120

agaattcccg tagtttcaaa tcaactagaa agaaatggtg agaagttaaa agatgtaaga 180

attatggaga agatactatg ctcgttagat cccaaatttg tgcacattgt tgtgacaatc 240

aaggaaacca aagatttaga aactatgatg atagaaaaac ttcaaggatc actgcaagct 300

natgatgaga agcataagaa gaagcanaag atcactgaga aaatcttcaa gatgcaacta 360

aaggagaaag aagaaagtcg aggaaatgag agaagtcaac 400

<210> 15505
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15505

nnggacttct atgttctggg aacctctcct tncttatgtg tacccaaact ccatcacctg 60

gttcaagcat gactntcttt ctgctttatg tggcttgcct tgcatagctc gcagttttct 120

tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct ttagcctgtg 180

gtctaacag tgacctaaag cctat 335

<210> 15506
<211> 336
<212> DNA
<213> Glycine max

<400> 15506

nntctttgag tcttttcaaa cgacaataac ttttgactcg gatgtccgat tgagagccgt 60

agtatatcga gacgctcgta attgaaaacg gaagctctaa gcacattcaa acgacattaa 120

cttttgactc aagtgtccga tggagtcctg tactatatag agatgctcga aattgaagtc 180

tgaagctctg agataaatca aatgacaatt actttctact ctgatgtccg agggaatacc 240

gcactatatc gagacacttg taattgaaga tgaagctttg aggatattct gacgaaatta 300

cttttttactc ggatgtccat tgagtcctgt gctata 336

<210> 15507
<211> 379
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15507

cgtgtgacaa ttcactgtga cagtcaaagt gccattcact tagcanatca ccaaatgtac 60

catgagagga caaagcacat atatgtgaaa ctacacttca ttagatatgt gattgaatct 120

gagaaggtga aggtggagaa ggtttcaaca gaagaaaact cagctgatat gttcacaaag 180

tccctcttta gtgtcaagtt caagcactgt ctggacttga taaatttnng agatgcctaa 240

agtagatttg tataagtgca gccctgaagc acaaggtaga cacttgttga tttggagtca 300

aggtggagaa ttgtggtgtg tgactcanaa tcacaaatgg cacaagtgag aaggctctaa 360

gaggtgctgt cataacagt 379

<210> 15508
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15508

agcttgtgag atctgaagac ttcttcagac atgtagaact ggggaagact gacaacccaa 60

taggttcaaa cgtgacctca agtgtttgtt gatcaactat cacgactaaa cacgttgggt 120

ttgaacgctc cccacactca ccctcgaggc actgagatcc ttatagtcct tgagggtact 180

ctctatgttg gatntgtgac ttccaatcaa gatggaaatc acctcttcaa caaagtgctg 240

aacaaaggtg atgtgtttgt gttcccaatc ggtctcattg atttctgcat caatgtggga 300

tatggcaatg 310

<210> 15509
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15509

agcttctgtt gttcaatttc gagcttgttt acatattatg ctccctaatc ggacatccgt 60

gtganaagtg ataaccaaat gaatttctcg agagcttctg atgtttaatt tcgagagtat 120

caatatatta taaccctgaa tcggacctaa gtgtgaaaag ctatgaccat tgaatttctg 180

gagtgcttcc gttgatcaat ttcgcgcgtc tctatatgtg agtgacctga atcagacatc 240

cgagttaaaa gctatgacca tttaaatttc tcaagagctt gcgtagttca atttctagcg 300

gctcgatatg cgatgtgtat gaattggaga ttcg 334

<210> 15510
<211> 336
<212> DNA
<213> Glycine max

<400> 15510

gtgcctgtat atcgatgcgc ctgaagtcga catccgagtg aagaggtatg accatttgaa 60

tttctcgaga gcttcctatg tttaattgtg agcgtctcga tatattatac gcctgaatcg 120

aacctcagtg tgaaaagtta tgaccatttg aatttcttta gagcatccgc tggtcattga 180

ttagcgtctc tatatgtgat gcaccttaat cggacctccg cgtgaaaagc tatgaccatt 240

<211> 15511
<212> 418
<213> Glycine max

<223> unsure at all n locations
<400> 15511

agcttcaaca ttcaatttct agcgtctaga tatattacag gactcaatca aacatccgag 60

ttaaaatgtta ctgtcgttta aatttgctta gctctccagc tttaaatttc gagcgtctcg 120

atatatgacg ggactatatc agacatccga gtaaaaagtt attgtcattt gaatttgctt 180

agagattcaa cattcatctt cgagtgtctc gttatattac gggactcaat tatacattcg 240

agtaaaaagt tattgtcgtt tgaattntct cagagcttca acaatcaatt tcgagcgtct 300

cgatatatta cgggactcaa tcaggcatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tcagagcttc aacattcaat ttcgagcgtc tcgctatatt acgggactat atcagaca 418

<210> 15512
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15512

tattatgtgt tgatgattat aacacacaca cacacatgta tatgaattgt taaaataatt 60

tatgaattaa tagttcanat aataaaatta aattgaagga aattaatata tcaagattca 120

atgataaata cttccaatgc attnttagtt taattattta ttaatttttt gaattgaaaa 180

tagtatagtt caatttaata gatacatgtt ttgtgccatg taaatattaa tattgtgaga 240

tgttcatatg attcatgagg tgtgataaca tgctgtgttg ggattataac attatgattg 300

agattgagtg tgtgtgataa attgagtatg tgttgaattg taagatacat gtgtattaag 360

attntataca cattgagttg tgagttatga actgtacaat cacat 405

<210> 15513
<211> 333

ttacaaactt aattaactgc ataaaaattt actntaagat ccttanataa tacatatcat 60

gagttcatga cggcaatgtt taaatgtatc aatttctatta aatttgagct cgttcaatta 120

tttcatacgt attattaata taatttctaa aataattatt ataaaaatta acgataagta 180

tgattacatg aaagtgtata attaatttat attattgata cctagtctat tttgtcatat 240

cttcactttt aaatntgaat tgtacatcta acaatntaat acataatatt gaatcaacag 300

tcaaaacaaat aattcaacca atttatcttc tta 333

<210> 15514
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15514

antttattct actanggact ttagacaaca tgcatttcat tnttttcttt tcgaaatcat 60

acaaattgtt cacattcatg gtagcaacat gcctaaaggg aaccttcata tcaagatgca 120

aatattgtaa taactctnta aacctcctat gttcaacaaa agagaatgga agatcatgct 180

caataatcat catagatatc atctcatgta ccacactntg atcaatnttt ttatttctta 240

atctcccagc atgatcaaga ataatatttc caacatcact attagaatgc cttcaaatat 300

acatcacatt tccncatatg acgttgtagg ttgaagtctc attcttattg tcaccgccca 360

cataatcttt caaacatatt tgcatttact cctcactttt tcatcact 408

<210> 15515
<211> 372
<212> DNA
<213> Glycine max

<400> 15515

agcttcagcc tcaatttaaa accttgcaaa taaaaatctt atcatttttt tttggaaaag 60

gctgagaatg cagccgagcaa taacaaagac tgcgttcttt gaatgataaa agggaattac 120

cttccatatc tgttgaagac acgctccaag tcacgggaac gagtcatcga agacaagtgt 180

[illegible] 372

<210> 15516
<211> 413
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15516

agtgacacta tgatactcag cttctattct atntaganat tcatgaaggt gttataatgt 60

ctganatcta tgggattaag atggtcattg accaatccct attntatgat ttaacaaaat 120

tgcctagtga aggtgtacct tttgagggtg cactgattga tgaatggaaa ttcgatttct 180

ctgtgcatga tgcccgccgg ttggtttgca ccaaccaagc ggatatgacc ggaaggcttc 240

ttgccggttc attggctttt gaaatccgca tcctccatta ccttatagtt cacatattgc 300

ttcctagatc ttcaaacctt gcccaggttt ctgaagaaga tctcattgtc atgtgggcct 360

ttcataaagg tttacanatt gattgngcac atcttgttag atatcgcatg cat 413

<210> 15517
<211> 369
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15517

aagagacgtgg cgtttaacga gaaaggcatg aaggattggt cttcanagtc tcaataggag 60

tcgatggtga tcgctgacaa ccatgaagaa nattatgaaa ggctacnaga tccaacacct 120

gatgagccat aatcatccag gaggccatag aggaatcctc aactctcagc tagattgcaa 180

gattatgtca tgtttaatga caaagataca tctaatgaag agattatcaa tttnactttn 240

tttgcagact gtgatccagt tatttttgaa gaagcctcaa gtgacgagaa ttggagaaag 300

gcaatggatg atgagattcg tgctattgag aagaatgaca catgtgagtt ggtggacttg 360

atcaacaaac 369

<213> Glycine max

<223> unsure at all n locations
<400> 15518

agcttctata taaggttcgt tcctaatttc tctacaattg catcacctct caatgagcta 60

gtgaagaaga atgtggcatt taactggggt gaaaaacaag agcaagcctt tgctttgctt 120

attagaagagc ttactaaggc acctgttcta gctcttccta acttttctaa aacttttgag 180

ctaggatgtg atgcctctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatggt gcgaccctta actaccccac ctatgataaa 300

gagctttatg ccttaataag agcactccga acttgggaac attaccttgt ntccaaggga 360

attgtcattc atagtgatca acaatcactt aag 393

<210> 15519
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15519

tgaatcggac ctcagtgtan aaagttatga ccatttgaat ntctcgggag cttccgttgt 60

tcaatttcga gcgtctgtat atgtgatacg cctgaatcga acatccgtgt ganaagttat 120

gaccatntga atntctcgaa agcttccttg gttcaattcc gagcatctcg acatattgtg 180

tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagc 235

<210> 15520
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15520

atgaacagga ctgctactgt gtaagaagtg tgtcgggttg ggagcatacc cagatgaatc 60

cctttgaan agcggtcgat gaccacaaga atggtggtat agccacgaaa tgcgggtaat 120

tttgagccca actgggcctt taattcctcc ag 352

<210> 15521
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15521

aactgagggg ctagctgggc atttgtctgc tagaggaatt atagcagcta ctgctatctg 60

aacgtgctca aacgtctcac ttaacattaa tagcacgttc actactgagc caaaacaaat 120

tcgaccgttg cttcacacgt ccctctacat tcctcaatca aacttatatt ntcgtggtaa 180

tctcaatttc agcatacccc aacagctctc agagatttac gaaatcattc caaacgctct 240

gcttctccat ggctacctca ccaaaagaaa cttcagctcc ttgttcaccc tctgtaccat 300

catctccatc atccaccana gcaccatcaa accaggaacg acctgaattc aatatccagc 360

ccatacagat gattcctggt c 381

<210> 15522
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15522

atcatcgaga tcttcatgat anacaatnga aactagtaat ccttgacttg attcgatcct 60

cgataatgca atgcataaca tgccatggct aaagacagga tttggcagat aaagttacac 120

catacaaggt gagacgcctt gatacttgtt aatagacatt gcatgagata acatgattgg 180

agatagtctt ctcaaaagat taagaggcca cggtgatgga gaacgcaaca ttgacattct 240

tgggatgtaa acatta 256

<210> 15523
<211> 398
<212> DNA
<213> Glycine max

[illegible]

tgttctttctc cttcttggat ggtaccacaa gatatggtac ttccgcacct tcattcacag 120

ctttttctct ctttttctct ctagcttgtt cacttctact cctctcttca ctcttattat 180

tatcatcttt ttcatttctt atcattacat aatactttat cttggccatt taatatcttt 240

ttcttgacca ttattcgctc ttctttttgcc taatttcctt aaccttccac atcatctttc 300

ttatcatcaa tacctctatt tttagcatct atcttctttgg gcacgacaac actgacctca 360

tcctccgcct ccacaaaacct ttaacttctt gtcttcac 398

<210> 15524
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15524

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aacgagacgc tcgaaattga atgtagaagc tctgagctaa ttcaaacgac aataacattt 120

tactcggatg gctgattgac tcctgtcata tatcgagacg ctcgagattg aatgctgtag 180

ctctgatcgc attcagacga cgataactgg ttacacggat gtgtgattga gtcccgtgat 240

atatcgaaac gctcgagatt gaatgtgtga tctctgagcc aatccgcacg act 293

<210> 15525
<211> 215
<212> DNA
<213> Glycine max

<400> 15525

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tctagagaga ttcagatggt cataactttc cacatggatg tctgaataag acgcgcaata 120

tatcatgatg ttcgaacttg aacaacggaa gctctccagc aatactgata gtcataactt 180

tatcctcgga gggacgattc atgcgcagaa tatat 215

<400> 15526

tgaatcggac ctcagtgtga agagttatga ccatctgaat ctctcgggat cttccgttgt 60

tcaatttcga gcgtctgtat atgtgatacg cctgaatcga acatccgtgt gaaaagttat 120

gaccatttga atgtctcgaa agcttgcttg gttcaattcc gagcatctcg acatattgtg 180

tgcccgaatc tgaccatcgt gtgaaaagtt atgaccattt gaatttctcg agagcttcca 240

atgttgtagtt tcgagcgact cgatatatta tacgcatgaa tcggaccttа gtgtaaaaag 300

ttatgac 307

<210> 15527
<211> 378
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15527

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gccttgcaac aagtcctagg gaagtagaca cggagatgga caagaaaatc cgcagtattg 120

tgagtagcat tttaaaagac gcctctgttc ctgaagctga tgaagatgtt ccaacatctt 180

ccacccccgaa tgttttctgtg cctgatgttg agaaagatgt tccaacatct tccggcccaa 240

atgctgaagc cctcccttca cccagtgaag aggaatcaac agaagaagag gatcaagcct 300

cagaggagac cctgcacca agggcaccag aatctgctcc aggtaacctc attgacttgg 360

aagaagtcga atctgatg 378

<210> 15528
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15528

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acacattccc caataatccc tggtcccaac ttgcaaagag aggtagtgat catggaatac 300

tctatcttga aagatttccc atcaatcata aaccagtaat ttgtaacaaa attacatcat 360

catactagt atgattatgt aaatacacgc atgcatgtat gtgagcataa attatagctc 420

atatgtcttg gtgggtatgt aaataaataa tat 453

<210> 15529
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15529

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atgtgccttc tccattggag atcaaggtga catgtggagt ccaaagttca cagataattc 120

atcttttgat gtgcgcttag acaatccttt ccatgtggaa agacttaaag agtgtagtgg 180

gccatatagc accatggttg aagtatcatg gctttataga gaaagtcaga agtcggctga 240

tactgagaca ctgctcctga atctagtgtg aagctgttat atacttatac ttgattgaga 300

taacacacta gaatgaactc tttggttcta agttgagttc taatgagcat gtgctattat 360

gttcgtatgg acacttattt gtcggctaga acaagtagac ctcggcatgt tgaagcacca 420

agagaagata gctatttgga tcaacataca ctatgcttta gcgatgcat 469

<210> 15530
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15530

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aacaaaccat gtcaataacg taataagtnt gatccgcctg tgccacccca aaaatcacat 120

acaaagaana agaaaacaga aaacaaaaac acgacattca ttcgaataac ctagaaaagt 180

[illegible]

cgaatctgan aacgatagaa aacggagttt gttaagttaa t 471

<210> 15531
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15531

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caaagcctag aatgtgcaca ttattcgcca ttaacaaatc gttcaacaat taaaaaaaaa 120

tttaaatgca aggatttttcc aaatgtaaac aaaaatactt tnttttaaaa aaaaaaaaaa 180

aagcgcttac atcagaagca ttggaaatca actctctgag gaagatatcc ttgttactgt 240

agagagaatt gatgatgata tccataagcc gcgacacttc cgcttggaac tcaaatttct 300

ccacgttgct ctgaagagat ttcttcgaga tcgactacac ctccctttca atcgcaacaa 360

cacgcacacg tttatacaca caataacaag agaacaagag ataaagggaa ataaaacaac 420

gaacacctct tgatgacatt tgaatcggta aaaggccatg aggcacatca ctgatcttgt 480

cctttacctt cggtggatct ac 502

<210> 15532
<211> 369
<212> DNA
<213> Glycine max

<400> 15532

actcagcttg accttggacct tgcattgacc cttcacttat gaagtgctct attgccttat 60

gctctttgga tagccctcta tcattcccct cttcttgaaa agaatccatc ctcagttgtg 120

catccaaaac acctacatca caagaagaca ggtcagcgac attgaaagta gagctcaccc 180

catactcact tggtaagtca atcttgtaag cattgtcatt aattctctca aggaccttga 240

caggtccatc accctatgt tggaagtcag atttcctttg tgaaggaaat ctatgcttcc 300

ttagatgtac ccaaatctaa tcttctggtt caaatacca 339

<223> unsure at all n locations
<400> 15533

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ataaatatat atgactataa tggtttattt caatcagata cattntgctc taaggacttt 120

tccaccatta tcaaatatta tactcttaat ttctaaatgt aagtntcttt tatatatggt 180

tgatatttta aaactaattt tcttaaaaac ttaattatat aacaaaattg tgtcatacca 240

tncattntat catactaata ctttgtcaaa taaatctttc atatatatat atatatgtgt 300

gcgtgtatat ttgaaattta ttcttcataa tgctttataa cataatctat ttaaaatcta 360

atcagacaac anattgctct ataccataga atttactata gtaatacctt tcatc 415

<210> 15534
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15534

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aacaaaggtg gagtatggag gattgccttg agggtccgca cttangcaat catgaaactc 120

agctccaaac tcgaaagtgg aggacacatg aacagcccta agcaagaaca ttcatgtggc 180

tccggaaaag gatgagaatg gaggattgcc ttaagggtcc tctcttatgc aatcatgaaa 240

cacagctcca aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcatgt 300

ggctccggaa aaggacgaga atggaggatt gccttgaggg tcctctctta tgcaatcatg 360

gaacacaact ccatactcaa aagtggagga tacatgaaca accctaagca ataacattca 420

tgt 423

<210> 15535
<211> 454
<212> DNA
<213> Glycine max

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aaacttgat tattatataa cgaatgtaat aaataaatac aaatcatata attttcctga 180

ttactacctt tgcatgacat actgaacttt ggcactaaga ctgaactcag acataatgat 240

acacatttcg aatacaagtc ataactgata atataatgat ntacttggaa cagtcatatc 300

aaaaggcttt acaagtggat ccttcataca aagcagctgc tgagtgcctg gccattgttt 360

tnacggatat tggtaccaac ataaagcttg caggaaatac tcangaagga atcaaaaata 420

cttgaagct ctcaaaatag atccacacta tgct 454

<210> 15536
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15536

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cattaagaac tagctccttt cttcctctat tgcccttagt tgaatacacc tatgttttggt 120

tctctatttg ggtcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180

cttctttatg tataaaaaaa agtgtcaagt gggaggggaa tgaggtctaa gggtgttaag 240

ggattgaacc catagacaac ctcataaggg gattgctcgg gggttctatg aacccccta 300

ttgtacgcaa attctacat 319

<210> 15537
<211> 301
<212> DNA
<213> Glycine max

<400> 15537

tcggtattca atttcgatcg tctcgatgta ttacgtgact ttatcagaca tctgagtaaa 60

aacgttattg tcgtttgaat ttgctgagag cttcaacatt caatttcgag catctcgata 120

tattacggga ctcaatcaga catccgagta aaaagttatt gtcgcttgaa ttttctgaga 180

<210> 15538
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15538

nnagttcact acttcaagta gtgcacgatn tgcttccaga tgaaaacacg ttgccaaaaa 60

gttattatca caccaagaag atattgtgtc caatgggtat ggagtattag aagattcatg 120

tttgccctaa tgattgcata ttgtacatac atgagtntca agatatgcac aaatgcccta 180

ggtgaggggt atcatggtac aaagtgaagg atgatgacga gtgtagtagt gacgaaaact 240

caaagaaggg acccccaacg aaggtattgt ggcatcttcc catcattcca aggtttaagc 300

atctatttgc taatggagat taacggaaaa aacccttacat ggcatgcana tgggtgaaac 360

tacgatggaa tacttcatca ttcggctgat tccacccagt ggaagaagat tgattgttat 420

atc 423

<210> 15539
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15539

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tcaacagtca catctttttg tgtggttctt gaatgagtat cataggccta taaatatgtg 120

acttgaggaca cgaatttgat aagagttttt cagaacaaaa augtcttatc ctcttataaa 180

gagaaatcgt tttatcctct tacaaattcc ttggccaaat tacttgtgat tcaataagga 240

attatttgaa tgcttaaatt gttcaatcta tctttttcaa gagagatttc ttcttctctt 300

cttcttcatt ctg 313

<400> 15540

tatcctcaaa gatatatttt ataagaatta aattcaattt ctctcattct tgttttatga 60

taaatttatg tatttttatt ttaaaattag aattctaaaa acatatcctt ttcagattga 120

agaatgaaat tcaactaacc tgcacgaaga ataaatgatt ctcatttaca ataaattaaa 180

gttatacttt ttttaacaat aatacatctt ttaagttcat atttcttata attagaatca 240

aaataaataac tctcttttttt ttttaatgag agagtatgtt ataaacacag acatccaata 300

acataacaga gcagcacttt aaagtggaag acacttgtcc ctaattttcc gaaagatgcc 360

atgattctta cgtggaaaag aatatntcct ttat 394

<210> 15541
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15541

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gttcaagcac gactttcttt ctgcttttgt tggcttgcct tgcatagctc gcatttttct 120

tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct ntagcgtgtg 180

cgtccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240

gattaaatcc atacactatc tcaaatggtg aacaattagt tgtgctatgg acagcccgat 300

tataagcaaa cttcaacatga ggcaaacatg cttcccaaga tntaaggttt ttctttaaaa 360

cagtcctaag cagtgtacct aaagtcctat tgacta 396

<210> 15542
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15542

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gacggatcca cataaagctc taaggagatg attgctccca ttaagatatt ttttgtactt 300

anatatattt aataaaaaaa ttactntcca aattgggcca tatgtctaat tcaatcaccc 360

gcacaccttt cttcagtgca tntatgatgg ggacgtcact gcagtc 406

<210> 15543
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15543

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aaaagttatt gtcgtttgaa tttgctgagt gcttcaacat tcaatttcga gcgtctcgat 120

atattacggg actcaatcag acatccgagt aaaaagttat catcgtttga atttggtcag 180

agcttcaaca ttcaatttag agcgtctcat atattacggg actcaatcag acatccgagt 240

aaaaaggtat tgtcgctcga aaatcctcaa agcttcggta ttcaatttcg agcgtctcga 300

tatattatgg gactcaatta gacatccgag taaaaagtta ttggcgtttg aa 352

<210> 15544
<211> 358
<212> DNA
<213> Glycine max

<400> 15544

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atgggaacac acacccctcc aatagctaag ctcaccgccc cccaaaatac aaaaaaaaag 120

agcctactac aaagactact caaaatgccc tgaaatacaa ggctaaaacc ctatactact 180

agggtaccct taactttgtag ggtagggtgt ccttaatttg tagggtaccc tacaaaccta 240

aaattgacca aaatacaagg cccataagat ggaaaaccta ttctaatatt tacaaagata 300

agtaggtgca tacttagccc atggacccaa attctaccct aaggctcatg agaatcct 358

<223> unsure at all n locations
<400> 15545

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atgcaaacgc acgtatcttt ctatgcnaat aaattgttta ctaatgtaaa aaggtttaat 120

tactctgccg tccctgaact tttactaaat tctgtgatga tgtgcattnt aatatanttt 180

tnattcaggc tangcttgat tggacttaag aaccggttca atgttgatct attattatgt 240

aaaaccaatt ttaagattgc cagtatttan actaacaagc ataatttatt aaaattattt 300

taatcgattt gaaaattatc ttttggagtt acaaaattac ttattaaatt gctatagttt 360

cattttataa ttcatttntt aagacttaaa taatttgtaa gtcttgaact gtttgatgaa 420

atttaatatt tctctggat 439

<210> 15546
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15546

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acaaatattg aacatcagtt acaagaggaa ccctcttccc tggcccagcg tgaccccctgt 120

ccccatccct atccctcacc actaatnttt ttttctgtta catacgtgat tgggaacaga 180

tacatcgtta tatgatagca agctatgcat atcaaagctt gagtcacatt tgagggtat 240

cccaatcaaa cctgcgctgt gaatagacct cataatcaat tggcctagta tcaacaacgt 300

aatcaactgt gtgaatgccc tncaaaugag ttggttgaaa actatcatta cttgaaggca 360

gtaatttata cacgactaat aattcaagag tgaatatagc 400

<210> 15547
<211> 428
<212> DNA
<213> Glycine max

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gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtgc tcttataccc 180

atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa taacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgttaa gatcacacca gtacggaaga tcaaagagaa tggacctctt cttcatatgc 360

aactctgact ttatccttc ttttgngtct tcccaaatac agtgttcagg tgttgaaccc 420

gcttgatat 428

<210> 15548
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15548

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tatcagatac tatactagat ggctcaccct ataatctaac aatctcactt atatacaggg 120

aagtcaactt ctccaaggaa aatctgatat taataagaat gaagtcagca gacttggtca 180

gtctatcaac aataacccaa atagaatcta aacctctagg ggttctaggt agtcctacca 240

caaaatccat ggaaatactg tctcacttcc actanggtat ctctaaagat agtaactttc 300

ctgaaagtct ctgatgttct atcttagcct tctgacagat taggcatgca tacacaaact 360

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tgt 423

<210> 15549
<211> 434

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   15549

[illegible]

[illegible]

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gactatgcaa aacatgcagt ttcaacaaga gaccagagct tccattcaga gcttaactaa   360

tcagatggga caattggcta cacagttaaa tcaacaacag ttccagaatt ttgacaaatt   420

gcctctcaa tctg   434

<210>   15550
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   15550

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgatgtg gatgatttct   120

ccagatttac ctgcgtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg   180

agttgagtct aacacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc   240

atggcagaga gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc   300

atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaacg aataatatga   360

ctttgcaaga tgctgctatg gtcatgctnc atgccanaga acttccctat aatctct   417

<210>   15551
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   15551

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ggccgagtca aaggccgagt tcgagtccaa cgcgctgcaa ggccctgttg tctcgggaac 120

gagtcangga agcgggcgagt acttcctccg agtcggaatc ggaaagccac cgagtcaagc 180

[illegible] 217

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<210> 15552
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15552

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gtatatcgag acgttaaata ttcagaatag aagctctgag caaaatctaa cgacaataac 120

tttttactcg gatgtccgat tgtgtcctgt agtatatcaa gactctcgaa attcagaact 180

gaagctctaa gcaaaatcaa atgacaaaaa aattttactc ggatgttcga atgaatcccg 240

taatatatgg agacgctcgt atttgaaaac ggaagctctg agcaatatca aacgacaata 300

acttintact cggatgtctg attgtgtccc atagtatatc gagactctcg aaattcataa 360

cagaagctct gagcaaaatc aaacgacaat anattttaac tcggatgttc gaatgtgtcc 420

cgtagtatat ct 432

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<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15553

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ttccatattg tctattccac catgaaagcc ccngatgtcc aggaagataa tatcttttta 180

aaagcttttc ctcattctct ggaggaagtg gtgaaagatt ggctgtacta ccttgctccc 240

aggtccatta cgggctggga tgaccttaag agggtgttct tagagaaatt cttccctgca 300

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<210> [illegible]
<211> [illegible]
<212> DNA
<213> Glycine max

<400> 15554

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cgctagactt gcaacaagtt ctatggaagt agacacggag atggacaaga taatccgcag 120

tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180

atcgtccacc gcaagtgttt ctgtgcctga tgctgagaaa gatgttccaa catcctccgc 240

tccaaatgct gaagccttcc cttcacccag tgaagaggaa tcaacagatg aagaggatca 300

agccgcagag gagacccctg caccacgggc accagaatct gttccaggtg acctcatcga 360

cctggaagaa gtcgaatctg atg 383

<210> 15555
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15555

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gtggcaattg tggggatata taaggctcta gcaaggaaga ggtagtgtga atggagtatt 180

taggtagctc cagacaatat actgacataa ctcctttgca cttgcttgct ttcttgaaca 240

gaaacttgat tgactgattn tcatgtanga ctgttctcat agccaacaat gtttctcttc 300

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tagctactag agatgatgca tttgatctgc taagtgattc acttg 405

<210> 15556
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

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[illegible]aaaatctaa natataacgc actcagttag atgtgaagca cacacaaccc tttaacaata 360

[illegible]attcttaga anatgtttga atggaggaat ttagagagaa atagcacana tgat 414

<210> 15557
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15557

agcttgaatg tcgcttttgt taatcaagtg ttactttatg catttgtaga tattaggctg 60

ctgtcgatta ttttgcattg cgatgaatga gtcagattcc gaagcattgc atccagaaaa 120

cgaattatag aataaacgct ttcactgtac ggtccttatt caagagtctt tctaacaatg 180

agtagtagta tattaaacat aattcactat aaacatattt tgactctcat tataattatc 240

atgtaatgta atagaaaaaa actattccaa aataattatt attttaacat cttactataa 300

tattaattat tctttccttt atataactta taatattaat gattgatagt aaaatctata 360

aatanattaa taatgacaaa attaatttca t 391

<210> 15558
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15558

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtctac tttatcagag agaaatcaga caccttgaa gtattcaagg 180

[illegible]

[illegible]

[illegible] 410

<210> 15559
<211> 411
<212> DNA
<213> Glycine max

<400> 15559

agcttcattg cctaataggt cagcttacaa aagcaatctc caagagactc agcataagga 60

tgcacaggct aaagttgagt atgtgaaaag attgcatgac caagtgaagg cacaaattgc 120

aaagaagaat gaaagctatg ccaagaaagc taacaagaac aggaaggaaa tgatacttga 180

accaggtgat tgggtttggg tacacatgag gagggagagg ttccctaaac aaaggaagtc 240

caaacttcaa cctagagaag acagaccttt ccaagtccaa tcatgttttc ttattaatta 300

gtgaattatt taacactaat agggcttaca aattaagctc tgtgtagttc tcatgtgtgt 360

tataagctta tagcctttag gaatctgaga acacaacttg aaatgatata t 411

<210> 15560
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15560

nggataagat tatacggaga ttatggaggg actnnngact actttctaca atnatgcata 60

aaaaaaggtg tctgtcattc atctcaaact actgtttatg tatttttatg catgcaagca 120

ctcacgtgca catatataag tngttgacta gttattaatt ttaattaaaa cataaccata 180

tactataatt tcaattattt attgtaaaac taaaataaaa ttatatattt aaaaatattt 240

atttattata attataaata tataaaaact gtctatcaac ttgtggaatg tataaactac 300

aagttagtat attaataaag agaaaatata catataatat ataatctgag acatgatatt 360

ttgtcaatga aaactaataa tataaaagta tgtgattttt tattggaata aaatatatag 420

ttttaataa aattatat 438

<211> Glycine max

<223> unsure at all n locations
<400> 15561

tctacattca atttcgagct ttcgatata ttacggtatt tttatcggac atccgagtaa 60

aaagtgattg tggtttgaat ttgctcacgg cttcggtatt ccatttcgag cgtctcgata 120

tattacggga ctcaatcgga catccgagta aaaagttatt gttgtttgaa tttgctcaga 180

gcttcggcat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240

aaaaagctat tgtagtttga atttgctcag ggctccagca ttccatttcg agcgtctcga 300

tgtattacgg gactcaatca gacatccgag taaaaagtta tagtcgtttg aatttgctca 360

gagcttcgac attcaatntc gagcgtttcg atatattacg ggactcactc agacatccga 420

ctaaaaag 428

<210> 15562
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15562

ccctcgttaa tttgtatatt tttattcaat gacaaatttt atttatggta aagccgnnaa 60

tcatgataat aattactttc tttaaaaaaa aactttgata ataattatct taaaaatcat 120

ataaataatt atatgtaact aattgatagt gtaaaagcta ttaacctaac aatacatgct 180

tattaactct taaaaattgg taaaactcgc tagaaaaccc aatcataatg gttgaaaaaa 240

gacgaagaac taatattgaa taattggccg gcttcaatgg tttcttttca tttgttttta 300

tcttttatga tatttaactc aataaaaaat actttgtaac tagaaaaagg ttaaatgtca 360

agttacaaaa ggctgtgtct gaaaattacg tataaaatat tatcatttac catattatta 420

ttacgtagtt atcat 435

<210> 15563
<211> 457

[illegible]

[illegible]gaaa [illegible] 60

[illegible]gacaag catacaacaa ttacagtgag attatctgat gtatttaggc gcaatgcttc 120

[illegible]gactagc tctccggcac attgctgtgg gtcatcatgc cttcttaatc ctcgggcgaac 180

[illegible]gactaact gtaaatttggc tagacattac atcccaaatc ccatcacacc caatgatcaa 240

[illegible]actcatca cgctcagtca atgtaaccag cgaacatct ggcttcagcaa taagagggga 300

[illegible]gcagtacca agtggaaatt tcaagtccca atcccaagg gctcgagtta ctgaaagata 360

[illegible]ccattgaga tatccatcat caatgaaccc acctaactcc tccacccctcc tctttctctgg 420

[illegible]agataactt ggcctgtgat cattagacat ctcaaca 457

<210> 15564
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15564

tgtacattca atttcgagcg ttccgatata ttacgggact tcttcggaca tccgagtaaa 60

aagtaattgt tgtttgaatt tgttcagagc ttcaacattc aatttcgagc ttttcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattc tcgtttgaat ttgctcaggg 180

cttctgtatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240

aaaatttatt ggtgtttgaa tttgctcaga gcttcaacat tcaatttcaa gcgttccgat 300

atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga atttgctcag 360

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatca gacatccgag 420

taaaaagta 429

<210> 15565

<211> 407
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15565

[illegible]

cctattttcc tgcaaaactc attgaactgc tctgaaacaa actccaggcc attgttagtt 240

cttaaaactt ttaatttttgt accaagtcga tttccaacaa gagtatgtca ttctctgaat 300

ttttgaaaag cttccgactt atttttcaaa acatacagcc atactcttct tgagaaatca 360

tctatgatgg tgagaaagta tgagcttcca ccatgagtat tcactct 407

<210> 15566
<211> 441
<212> DNA
<213> Glycine max

<400> 15566

tcaacatcag accacttcca gggtgctgga atacttccat ggacttgatg gggcctatgc 60

aagttgaaag ccttagagga aagaggtatg cctatgttgt tgtggatgat tactccagat 120

ttacctgtgt caactttatc agagaaaaat cagacacctt tgaagtattc aaggagttga 180

gtctaagact tcaaagagaa aaagactgtg tcatcaagag aatcaggagt gaccatggca 240

aagagtttga aaacagcagg ttcactgaat tctgcacatc tgaaggcatc actcatgagt 300

tctctgcagc cattacacca caacagaatg gcatagttga gaggaaaaac aggactttgc 360

aagatgctgc tatggtcatg cttcatgcca aagaacttcc ctataatctc tgggctgaag 420

ccatcaacac agcatgctac a 441

<210> 15567
<211> 399
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15567

gtccatacca ggcactaagt ctagggagaa ctcaacctct ctctcacgtg gtaatccgga 60

cacttaaac acttttggaa actccctcac caaaggtata tcactcagag gggttttgcc 120

tcaacactca tactagctaa gatcatgtat acttgtgcat cctccctcaa agatgcctca 180

[illegible] 240

[illegible] 300

[illegible] 339

<210> 15568
<211> 446
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15568

tgatgataaa agtgagaagt acgtgtgtgt gggttacgtc tcaatatcca gngggtacaa 60

gctctatagt ccaaattgta gaaagatcgt cataagtcgc gacgtggagt tcgacgaaga 120

agattgttgg gattggagtg ttcaagaaga taagtatgat tttcttcctt attttgaaga 180

agatgatgaa attgaacaac caatcataga ggaacatatt acaccacctg cctcaccgac 240

accaaggctg gatgaaacaa gttcaagtga gaggacaccg cgactaatga gcattaaaga 300

gatttatgag gtaaccaaaa acctaaacga cattaacctc ttttgtcttt tggtgattgt 360

gagcctctat gctatcaaga agcgacggga aacataaagt ggaagacgcc atggacgaag 420

acatcaagtc aatcacgaag aatgat 446

<210> 15569
<211> 387
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15569

cacctttctcc ttccccaacg cgggcgatca tcttagcgcc gaggtcgtaa accgtttcca 60

tctcggtcgt cttgagcgtc agcttccccgg tcttcgcagc ggcgccagac accgcagggc 120

ggtcgatctg gacctcgacc acttccccct caatgacttc ggcttcttcc ttgatgcgga 180

cgccgatggc cttgcggaag gcctgngtga gggcttccgg tttggacatt tccaatgaga 240

agatttcgct ggcagcgatc atggcaaaag gggtttcgag gccganggac ttggccatgc 300

ccatggcgat ggcggtcttg ccggtgccgg gctggcctgc taggaagacc gcgcggacgg 360

[illegible] aaatc atctgga

<211> Glycine max

<400> 15570

gatcattttc ccctgccatt cattgatcaa atgcttgagc gcttggcaag tatgtctcat 60

tacaattttt ttatggtttt tctggttatt tacaaattca tattgctcct gaggatcaag 120

aaaacaccac attcacctat ccctttggca tttttgccta taggaggatg ccctttggcc 180

tatgcaacgc ctctggtacc ttccaacggt gtatgcttag catttccaat gatttttag 240

agagttgcat agatgtgttt atggatgatt ttactgttta tggatcctct tttgatgcat 300

gtttggatag tctaaataga gttcttaata gatgcattga aactaaccct gtgc 354

<210> 15571
<211> 364
<212> DNA
<213> Glycine max

<400> 15571

atattgaaat gatgaatagt ttgtgatgtt tgtaactggt gtctagatat ggactagtac 60

actgcagcga acaattttga cagcaggtcc aattgttggg tttccaaagg ttagtgccat 120

cctaagtca ggaaatatgg attgacaaaa gtatacatta ttagtgctcc tgcacttact 180

atctatatgt tagatacaat ggcgcgcact tgatgagata aatgccggtg tgtgtgatgg 240

gaagacatat gaagaaatca agaagaacat gccagaggag tacgagtatg tcacaaactt 300

gtaatttgtc ttatttccag ttgaatgcta ctggtacatc agataaaaaa aaccagtgcg 360

tggt 364

<210> 15572
<211> 440
<212> DNA

<213> Glycine max

<400> 15572

[illegible]aagctctt ctatttttt ggctggaaag ccaaaggggt ttattctttc agggaacagc 60

[illegible]

[illegible]tgattcaat tgaacatttt catagatggt ttgagatcgc agttcaagca gttattggat [illegible]

gctttctgttg gaggaaaaat tatattgaag acccatgaag aagcaatgaa actttattgaa 360

catatggcagc tagtgatcat gcgaatttgc gtgataggac tcatgtaccc acaaagagaa 420

gcctactgga gctttcttca 440

<210> 15573
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15573

ntgacttgag tcatcaagag attataaata tgtgaccatg tgtctgtgtn taaataatca 60

tcatcaatca tctttgaatc atctatcttt caatcttttt caacatcatc tctcaaacat 120

ctttcaatca atctttcaat atcttttctac ataatttttct gattcatttc tcttcatatt 180

tctaaaagtt ttttatcaac actttctctt ccaagaaaag ttctttgttc aaaaacttat 240

gctattcatc tttttcgttc tcttctccct ttgccaaaag aacgaaggac taattgcctt 300

aatttcttttg tgtctctctt ctcccttaca aaagattcaa aggactaacc gcctgagaat 360

tctttcgatt cttctcttcc ccttaagcaa aatatttcaa aggactaacc gcctgagaat 420

tctttngatt cttctcttcc cctta 445

<210> 15574
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15574

agatcaactt gatgttctat gcttcttgaa agtgtcagtc catgaggaat ctccttggga 60

aagacatctt taaattcctg caataagggt tgaacactag gagaaacata aatagttaac 120

tgattagaat tatcactctc tctctcttgt gtatcactct tttcctcagg tgtatcactc 180

[illegible] 241

<210> 15575
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15575

cattgataat agaagctatg agcaaattca aacgacattt acttttttact ccgatgtccg 60

anttgtgtgcc gtagtatatc gagactcccg taattgaaaa cagaagctcg tagcaaattc 120

aaacgacaat aatattctac tcagatgtcc gattatgtcc cgtagtatat ccatacgctc 180

gtaattgaaa acagaagctc gtagaaaatt caaacgacaa caactttcaa ctcagatgtc 240

cgattgagtg ctctaatata tcgagacgct tgaaattgaa agcagaagct cttagcatat 300

tctaaggact ataacttata tctcggatgt ccgattgggt accataatat atcgagatgc 360

tcgaaattga caatggaagc tcgtagcaaa tactaacgac cataacattn tactcggatg 420

tccgattgtg acccgtaata ta 442

<210> 15576
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15576

atttagtaga tgaagatgaa tccatggtct tctcttggac tcctctaaga acaataacat 60

cattgcttac actaaattgt tgggagttgg aagccatctt ctcaatcaaa ttcctagctt 120

caacagggct catatcacca agagctccac cactggcagc atcaatcata ctcctctcca 180

tgttgctaag accctcatag aaatattgaa gaaggagttg ctcanaaatc tggtggtgag 240

gacagcatgc acacaatttc ttgaatcttt cccagtactc atacaggctt tctccactaa 300

gttgattgat acctgaaatg tcttttctga tggcagtggt cctagatgca aggaagaatt 360

<211> Glycine max

<223> Unsure at all n locations
<400> 15577

agcttncttt catacccact tcatcaaatg tcatgttaca acccctcacc gnccattaaa 60

cactgttgct caatctccac cgaaaggtgg catgccttac caaaaaccac cctataggga 120

gaaatcccca aaggtgtccg gtaagcggtc ctatgggcct atagagcatc cttaagtagc 180

ttgctccaat cctttntgtt gggctgcact agcttctgca acacttgttt tatctctcta 240

ttaaaaacct ccgcttgtcc attagtttat ggatgataag ctgcaacaat tgtatgaaca 300

accccatact tttggagcaa ggatgccaat gacttgttat agaagtggct cccttggtca 360

ctgataatgg ctctaggctg actacaacct gcaaaaagtt agatctcaca taatccacaa 420

caac 424

<210> 15578
<211> 268
<212> DNA
<213> Glycine max

<400> 15578

atattatgcg ctcgaatcga acatccgtgt gaaaagtgat gaccatttga gtttctcgag 60

agcttccgtg gttcaattcc gagcgtctat acatattatg tgcccgaatc tgacgttcgt 120

gtgaaaagat atgaccattt gaatttctcg agagcttccg acgttagatt tctagcgtcg 180

cgatatattg aattcctgaa tcggagctcc gtgtgaaaag ctttgaccat atgattttct 240

cgaaagctat cgtggtcaat ttcgagcg 268

<210> 15579
<211> 315

<212> DNA
<213> Glycine max

<400> 15579

tagnttagct tatataattt caaagatgga agatacttta acataattta tgcaggtatc 60

[illegible]

taatnatgag aaaaagaata aagaatgagt tgaaatgaat acgagataaa tgatgatgtg 300

ntgantactg aaaaa 315

<210> 15580
<211> 384
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15580

tatacottga gaggttacac ggagaggaag atagtgcgag canaaaatgg gtatgtcaca 60

cgcgaggtta cacagagaag aatagcacga gcatactagg tcgcgtatga cataatttaa 120

aatatatgtc caacatcgat ttccaatact aaactgatgt ttacaaaatg atggtaacgt 180

taacatcggc ttttttccaat ataccgatgt taactagtca taacttatca tcggatctca 240

tataacctat gttagcgtac atcagttaac atcagttctt ctaaagccga tgttatcaaa 300

ttaqagttaa caattggttg taccagaaac caatgttaac gtcaccttcg ttaacatcgg 360

attttttagaa atacccatgt taac 384

<210> 15581
<211> 437
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15581

tgcttgatgg cacgtgatcc atggaaagga taatttcttg ttgatgttgt ttctttattg 60

gtaaagatag agcctatgtt acagaagatac taaacggctg tggactacat gctgatattg 120

ggatacctgt tcttatagag cgtagcctcg taaaaattga aaagaacaac aaacttagaa 180

tgcatccttt acttcaacaa atgggaagag agataattcg tggaagttca ataaaggaac 240

ttgggaagcg aagtcgattg tggtttcatg aggatgtact tgatgtattg attgtcggtt 300

ttgtagagga aattattaaa aacagaggag agaagagaga caatacgtat gtggaggaaa 360

<210> 15582
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15582

acctaggagt taatgacttt gtattnagtg atcttgaagc ggaataatat tatattgtta 60

aataatacaa cactgtaaag tatatgaaat atcaaattat taaattggag gatattaatg 120

nctaaatat tataaaaata aattattgaa acgatggaat tattgttttt ttaaacatgt 180

anatatgaatn taaatgctaa taaaaaaata atagggatat atttgaattt taattatctt 240

aaaataataa ctagttttta tgtaactgat aataaaaaat ggtctttctt ttagtgtatc 300

ctatacaaat ctaaaataat tggataataa cactatttgc taacaaatat catctattaa 360

taaaat 366

<210> 15583
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15583

ctaagcttga tgcaacattg gagaggtaat gaaacactag atgattatta acatgtnttc 60

tcatgcaacg actatgatga ggaccaaaat gtgaagcttg ctgccacgga gtatttcgac 120

tatgctcttg tgtggtggaa caagctacaa aaggagagag caagatatga agagccaatg 180

gttgatacgt ggacagagat gaaaaagatc atgaggaagc ggtatgtgcc ggctagttac 240

tcaagggact tgaaattcaa gctccataaa ctaacaccag gcaacaaggg gttgaggag 300

tattcaagga aatggatgtg ctcatgattc aagcaaagat tgtagaagat gacgagggaa 360

ctatggctcg atttcttaat ggtttgacta atgatattcg tgatattgtc gagctgcaag 420

agtttgttga atggatgatt tgctcaca 448

ctaagcttga atcggacacc cgtgtgaaaa gtgatgacaa tttgaatctt actagaactt 60

ccgttgatca ttttcgagtg tcactatgtg tgatgcgcca aaagaggaca ttcaagctat 120

atattatgac catttgaagc tcaaaagagc tatcgtagat caattctgag cgcgtagtaa 180

tgggattatg cctgaatctg acgttgatat gaaatgctat gaccatgtga agccgtaacc 240

atcttggaga gcacagtata gggcctaact agcatatatg cgcccaaatc ggacattcgc 300

ctgtggaaaa tgacgctaag aatgtattga aagctttcaa tgtgggattt ct 352

<210> 15585
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15585

tcaagaaaaa gatggcctca gcaaattcct tatttccaaa atgtaattct atcttagacc 60

tccaatcttt aatggagagg gttaccacta ctggaaaacc cgaatgcaaa tttttattga 120

ggcaatagat ctaaatattt gggaagccat agaaataggg cctttatatac ccaccacagt 180

ggaaagagtt tcaatagatg gtagttcatc aagtgaaagc ataactatag aaaaacctaa 240

agatagatgg tctgaagagg atagaaaacg agtacaatac aacttataag ccaaaaatat 300

aataacatct gccctgngaa tggatgaata tttcanggtt tcaaattgta agagtgctaa 360

ggaaatgtgg gacactcttc gattaacaca tgaaggaact acggatgtta aaagatctan 420

gataaatgca ctaactcatg agtatg 446

<210> 15586
<211> 398
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15586

atcttgatct ggttaacctc ttttgtttgg gcaactgaaa agaaatgtna ttgataagaa 60

[illegible]

[illegible]

tcgtanagtt tgttctgaat tggtaacatt tgtttccgtt aaaagactta cagctcggcc 300

aacagcagtg gcatgctaat aatacattgt gagttgaaca ggtatcataa caatcataca 360

tgtaagtggg cttagtgttt tatttcttat gtcttttg 398

<210> 15587
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15587

agcttgactc ttaatnattt gtatnggnng gatgtngaat tctggttgtt cctggtgcgg 60

agatgatggt acaacgggtg aaccaggagc ggcatttctt ttggtgatga agccatggag 120

aaacagagcg tttggaatga tttcatacat ctcagaaaac tattgggaaa tgctggaaaa 180

aacacgaatg ccaagcacat ataaatttga atgaagaatg taaaggggcg tgtgaagcaa 240

cggtcgaatt tgctttgtgg tgaacgtgct attaatgtta agtgattc 288

<210> 15588
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15588

gtcgaccaaa aggttcanaa ggaagagaga agaggattgt gttggttggt ta'caagttg 60

taggtgagat gcacgaccta agaagcatgg caggccgaac ggttcaaaaa ttaaaatgaa 120

gaatgttgtt gatgttggta atgaagttga tgggggtggt gagattacag gaccttaatat 180

acatgatcaa ccaaaaggtt cccaaagat gaagaagaat gctttgaaag ttcataatga 240

agttgttggt gttggtgata tcacaggact taagaaacgt ggtcgaccaa aatgttcaat 300

aaagaaacag ggtactgttg tgtacgcttt caataatgaa gtgccatgtg agattgcata 360

caagatctgg aaaatataaa tgctgacaat ctgtgtcaaa agtttagatg atttgcaagc 420

<211> [illegible]
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15589

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actgatagaa cttgcctgag atgtcctaag tgatcatcta ggctcctact gtacactaaa 120

atatcatcaa aataaaacaac taagaatcta cctatgaaat cccttaagac atgatgcata 180

agcctcatan aggtgtttgg tgcattagtg agcccaatag gcatcactag ccattcatac 240

aaaccaaact tggtcttgaa agcggttatc cactcatcac ccttttttcat tctgatttgg 300

tgatacccaa ctttaagatc aattcttgaa aacatattg 339

<210> 15590
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15590

acaggttcag gtgcaggtgc tgctactggt ttatgcactt tattttgctn gccagacctc 60

aggggatag cgctcacatt tttcggatta tgcacagttt gtgaaggcaa tttgtcagaa 120

ttttgggatt gagctcggtt catctgagta gccatctgcc ccatctaatt tgtcagactc 180

tgaatgaagg ctcttgtctc tagctgaaat tgcatatttct ggatggtcat ttgcctcact 240

aactcctcta atgaaggttg agacggggcc atagtttctc gtagtctttg ttgttgttgc 300

tgcattggag gatgatcata tggcctgctt ggaccaacag cattctggat aagagggata 360

agttgttgtt gttactgttg tggttgtgga g 391

<210> 15591
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15591

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ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaacgga 240

aaagaaaatg caaactcatg tttatacttg gtcggccaca cccttgtgcc ta 292

<210> 15592
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15592

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tngccttctt tcttcttccc ttatttgttc cctctcacct tgatttatcc tacctctctt 120

tccctttttct ttctttctag ttntcctttc cataacttga gggaactcaa ctcatctaag 180

attctagaga gagaaagtcc ttatgactag taccctcacc attaacacta gatgaaagat 240

gactcctatt ggttcctaag ttgtggttct ttcttgctgg gggtttgcaa aaggtaaaag 300

ctagggttta aaagaactca agataagcgt gataatcaag aagaaagtat tatgtaataa 360

caagataaac taggtgtgac tattaaagaa aatatgctat g 401

<210> 15593
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15593

acacttagca actcaagctt gtgcattcaa tatgctgata agggtgttcc atatgttctc 60

tttactggac taataaattt actgcccaag tttcatggtc ttgcagatga agatcctcat 120

aagcatcttg aggagttcca tattgtctat tcctccatga aacccccttga tgttcaggaa 180

gatcatatct ttctaaaggc ttttcctcat tctctggagg gagtggcaaa agattggttn 240

tattacattg ctcccaggtc cattaccagc tgggatgacc ttaagagggt gttcttggaa 300

[illegible] 360

[illegible]

<210> 15594
<211> 405
<212> DNA
<213> Glycine max

<220> Insure at all n locations
<400> 15594

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ttcctaattt tcaacttacc tatttggaag tgacatcatg gcagttaggt cccagctttc 120

cattgtggat tcagtcacaa aaccaacttc attatgttgg actatctaac acggngattn 180

tcgattctat tcccacacag atgtgggaag cactntctca ggttttgtat ttaaacctct 240

ctcgtaatca tatccatggt gagattggga ctacattaaa gaatccaata tctatcccaa 300

ctattgatct aagctcanat cacttgtgtg gtaaattacc ctatctttca agtggtgtgt 360

tcggttagat ctttcaagca attcattctt tgaatccatg aatga 405

<210> 15595
<211> 319
<212> DNA
<213> Glycine max

<400> 15595

atgaacccta ccctaatata aacactaacc taaccctacg cttaacacca aacccctagac 60

cctaaaccca aaattctaat ccctaaacct taacctctga attctaatcc ctaaacccta 120

aactctgcat tctaaacccc aaacccctaa ctctaaacca caagggttag acaataaacc 180

ctacatatta aaccataatc cctaacccct aaaatttaaa ccattaaccc ttaaccctac 240

ctttatacc ctttaacctt aaatataaaa aataaaccct aaaaaataaa tcctaaattc 300

taaaccctaa accctaac 319

<210> 15596
<211> 420
<212> DNA
<213> Glycine max

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ctatacagac ctttgccctt ccatgcagca acctggagca attgagcagc ccgaagctta 180

tgctgctaat atttacaata gacctcctca acctcagcag caagatcaac cacagcaaaa 240

taattatgac ctctccagca acagatacaa cctggatgg aggaatcacc ctaatctcaa 300

atggtctagc cctcagcaac aacaacagca gcctgctcct tccttccana atgttgctgg 360

cccaagcaga ccatacattc ctccaccaat ccaacaacag caacagcccc agaaacaacc 420

<210> 15597
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15597

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gtttatgagc aactcaggat tcanaagatg tgacatggac cattgctact atgttgagaa 120

atatactaat agttatgtta tccttgtcgt gtatgttgat gacatgttga ttacaggatc 180

tagtatgata gaaattaata gtttgaagca atagttggca gaaaactttg aaatgaagga 240

tcttggtcca gctatacaaa tccttggtat gagaattctt agaaacagat cagaaggaat 300

tttgaagttg tctcaggaga aatatataca caag 334

<210> 15598
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15598

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tatcgagaca ctcgaaattg aatgttgaag ctctgagcca atttcaaacga caataacttt 120

ttacttggat gtctgattga ggcccgtaat atatcgaaat gctcgaaatt gaatgttgaa 180

aagctctgag ctaattcaaa cgacaacaac tttttactcg g 411

<210> 15699
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15699

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atttattgtc gtttggattg gctcagagat tcaacattca atttcgagcg tctcaatata 120

ttacgggact cattcagaca tccgagtaaa aagttattgt cgtttgaatt tgctcagagg 180

ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac atccgagtaa 240

aaagatattg tcgcctgaat tggctcagat cttcaacatt caatttcgag cgtctcgata 300

tatgacggga ctcaatcaga catccgagta aaagttattg tcgtttgaat tgctcanagc 360

tcaacattca atttgagcgt ctcg 384

<210> 15600
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15600

gcgatgcatt atcttctatt ttnctcaatt nntgaacngt nnctcgatga tatnnntagc 60

gcgatntcat gatcgagacc atttccaatg ctaaaaaggt tatttggtgc gtttgggaat 120

ttcctactga gcccttcggt ttgtcaattn ntggagccat cnntcgatat attacangga 180

aactgaaccg gacatttccg tgtataaagt tattggtcat nnttaaattt tcttagaagc 240

ttcggatcta aattttgagc gtctcgatat attacgggac tcaatcagac atccgagtca 300

aaagttattt tcgttttgaat ttgatacgag cttccgtatt caatttggag catctctcga 360

taaattatga cactctgtcg ggcatccgag taaaaactta ttggcgttag aattttctaa 420

[illegible] 1

<210> [illegible]
<211> [illegible]
<212> DNA
<213> Glycine max

<400> 15601

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tcgttagaat ttggtacgag ctttcgtttt caaattggag catctggata tattacagga 120

ctctgtcgga catctgagta aaaagttatt gtcctctgaa tttgctacga gcatccattt 180

tcaatatgga acgtctcgat atattatggg actcaatcga acatccgtgt ataaagttat 240

tctcgattga taatgctcag agcttctgat ctgaattttg agcgtgtaca tatattacga 300

gactcaatag aacatccgag taaaaagtta ttgttgtttg aatttgctac gaacttacat 360

tatgaatgtg cggtgcctcg atatattacg ggactcaatc ggacatccaa g 411

<210> 15602
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15602

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taaaaagtta tagtcatttg aatttgctca gagcttctat tttcaatttc gagcgtcacg 120

atatattaca agactcaatc agacatccga gtaaaacgtt attgctgttt gaattatctc 180

anagcttatg ttctcaatnt caagcgtctt gatatattac aggactcaac cggacattcg 240

acttaaanag taatgtcgtt agaatctgct acgagcttcc gttttcaatt acgagcgtct 300

agatatatta cgggac 316

<210> 15603
<211> 398

<212>	DNA
<213>	Glycine max

<220>	unsure at all n locations
<400>	15603

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[illegible]gcagat gtnnaattga gtcccgtaat atatcgagat gctccaaatt gaaaatagta 240

ggtnnttcca aattcaaacc ataataacgt tntactcgga tgtctgattg agtcccgtac 300

tatatcgaga cgctcgaaat tgaaaaaaga tgctctgagc aaattcaaac gacaataacg 360

gtttnctcag atgtccgatc cagtgctgta atatatcg 398

<211>	15604
<211>	354
<212>	DNA
<213>	Glycine max

<400>	15604

gacacataaa tactcagctt ttagtttaga tgatgcagat gatttgtaga tacctctatg 60

ctctcctcta atgactatag catcatttct ggtgctaaac tgttgggagt tggaagccat 120

cttctcaatt aaatttttgg cttcagtagg agtcatgtct ctaaaggctc caccactggc 180

agcatctatc atacttctct ccatattact gagtccttca taaaaatatt ggagaagaag 240

ctgctccgaa atctgatggt gagggcaact ggcacataat tttttaaatc tctcccagta 300

ttcgtatagg ctctctccac tgagttgtct aatacttgag atatccttcc tgat 354

<211>	15605
<211>	305
<212>	DNA
<213>	Glycine max

<220>	unsure at all n locations
<400>	15605

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ggacagcttg atgaaattgg gatgatatac cagttcggtg ctggtagatg gaagctatat 120

agaggaagca tggtcattgc tcaaggtaag aaggaatgct cctggtacat cgtgcaagga 180

aagatatgca tatggaagat gaatgttgct caagatacaa ccaaagaatt atgacacaag 240

agatngngtc acatgagtga gaaacgtttg gagtttctaa cataggatca ctttccaaac 300

ataaa 305

<210> Glycine max

<223> unsure at all n locations
<400> 15606

ttttntggt tnaggnattc atgtnncatc taggcctttt gagtatgtcc attttgattt 60

atggngacca tctagaggaa aaactcatgg tggaagctca tactntctca ccatcataga 120

tgatttctcc agaagagtat gattgtatgt tttgaaaaat aagtcagaat cttttcaaaa 180

attcagagaa tggcatactc ttattggaaa tcaacttggt acaaaattaa aagttttaag 240

gaactgacaat ggcttggagt ttgtttcaga gcagttcaat gagtnttgca ggaaaatagg 300

catcanaagg cacaaaacag tcctctcacac accacaacag aa 342

<210> 15607
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15607

agctacttct tctaagttac catgnagaaa agccgnnngt acatccagtt gatgtaattc 60

caagttaaaa taagcaacta atgccattat gatgcgaaag gaatctttca tggatacagg 120

agataaggtt tctttgtagt caactctatc ccttcgagcg aatcctttgg caccaatcat 180

gncttgtgtc tctcaatgtt acctaatgaa tccttcttgg tatcgaaaat acatttacat 240

acaatacgct ttatcccatt aggacatagc actagatccc atactgtatt atttcccata 300

gattccatat catctttca 319

<210> 15608
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15608

agcttgctct tgaggatgta aggatatttg cagctaatga acaactttct taactatttg 60

atcaatcttc ttccactggg agcaatcagc cggatgacga accattccat cagaaatcct 300

tccatttgca tgccatgtta ggtgttttgc gtcgtcctcg ttagcaaana gacgcttaaa 360

ncttggaatg attggaagat accac 385

<210> 15609
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15609

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gaaacataga taatagataa ataagttcag acataaaatg gaaaatatgt gcattactac 120

atttggcata ataagagcca tgaaggttaa acctgtggtg tggtataatc ccagtagatt 180

gtaggaactt tcacataatc catgttctta aagttacttg caaacaattc tgcattagca 240

gcctccttgg tgtaatcaat ctcctgaaaa ttattaatcc atgttgcagt aacaggatcg 300

gagaatgtta tttgctgaga acacgtgcat acatcatacc aaaacaacag attcacaact 360

caagcaggaa ctgaaacagg aatgaccact cttatgtgtg atgatcttaa gcccatattt 420

gtattgtgta gatggttttc ttacatcaag ttttcctata ataaac 467

<210> 15610
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15610

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acaaagataa cagaaattaa aattgggttt cctcccagga agcgcttctt taacgtcatt 120

agcttgacac atttacctga atgggtgata tcaaataaac agtgttatgt gccctttcan 180

attcttcacc atggtacaat tttaacctct agccatttac tacccatgtt ctgtcaggat 240

<210> 15611
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15611

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gtgataacaa gttcagcagc atctagggaa agctctttcg cttctattct cctcattatc 120

ttatatgttg aattgatatc ctccttcgat tgacgccctt gcttaagaag ctgttctagc 180

ttgtttcttc caagtgaatg accagtgagc accattggca cattcaaggc acctgaaaga 240

agagcagcac tatctccagc atcagcataa tgtccatgaa taacgtgtgg ccacactggt 300

ttcccccccgc taacttgttc acccaatact tatgacatat ngagaatgtg agctaaagcc 360

ccatctacaa attcttgaat atggggccaa agaagttctt tctgtagata 410

<210> 15612
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15612

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aatgtacatc tctgtaagct tcttcagata cccaattgct ccgtatgaaa tcatcagtta 120

cttacatttc ttacttggag aaagtgatcc naggcaagaa actgcatact tttttgcagt 180

cttctggggg cttggatcaa gcaactggac catatttggc acacttttat cattcttctt 240

aacctctctc cgattctggg acagaaccat tacgcttgaa ttcgcttgag cagcgaccta 300

tctagcatta tttgctgtat cctttaagcat ctatataata taagggatgc caccggctac 360

accaactatc ttttttcatct ccattgagct gcaaacact 399

<210> 15613

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[illegible]

[illegible]

[illegible]

acgctcgaaa ttgaacaatg gaagctcttg agcaattcca atggtcataa cttttaactc 120

ggaggtccga ttcaggcgca taatatgtcg agacgttcga aatagaacaa tgctagctct 180

tgagcaattc aaattgtcat aactgttcac tcggaggtca gattcacgca cataatatat 240

cgagacgctc gaaattgaac aatggaagct cttgagcaat tcggatggtc ataactattt 300

cactcggacg tgcgattaag gcgcataata tatcgcgacg ctcgaaattg aacaatggat 360

gctcttgaac aatacagatg gtcctaactt ttcactcgga tgtatcgttc acgcacataa 420

tagatcga 428

<210> 15614
<211> 159
<212> DNA
<213> Glycine max

<400> 15614

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ggtaagacca cttaactttt cactaaaata agcaattgga tggccttctt gcatcaacac 120

agccccaatc ccaacatttg aagcatcaca cttaatttc 159

<210> 15615
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15615

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caatatacgt aatacgttaa atatatagca taaaccaaag agtcacccta attccatgaa 121

cacatacaaa tgcaagatag tggacctaga tgatttatca aaggggtata ttagaagcat 180

gtgtaagtaa ctatgtacaa gaaatttttct taaaatgcaa aacatgtatc atagtaagat 240

gatgtatcaa agcataatat gtatattaga gcaaaaagat tgacatgaat gaaaatgcat 300

<210> 15616
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15616

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agtgatcatg gaggtgaatt tcaaaatgag tcttttgana actttgtga agaaaatgga 120

attcaccata attttcaacc ccaagaacac ctcaatagaa tggcattatg gagaggaaaa 180

atagatccct tgaagaaagt gcaagaaccc ttctaaacga aaccaggttg cctaagtact 240

nttgggcaga tgttgtacat actgtttgtt acaccttgaa aaaagtactt attagaccta 300

ttctgaagaa gactccttat gaattgtata aaggaagaga accaaacact ttacacctga 360

gagtnttttgg ttgtaagtgt ttcgttttaa caatggt 397

<210> 15617
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15617

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cacacatctt tattttaaaa gaacttaaaa aagggttgga gcaatttgtt ggcccaaaat 120

aacaatatac aagtataggt attaaactct tatgagaaaa aaaatttatg cactgattga 180

tatttacagt ataataagtt ttatacaatc attcaattac aatcaatcat gtataataga 240

ttnttttgatt tttaaaataa ttataaagta attcaaacga taatttngtg tttaactaat 300

aatataaaat tgttttacat tatcaatgta taggtattaa agtctaaaag ataaaatata 360

gattgaatat gtgcatcttg agaaataatg agtttttaat aattatggtt attttgactg 420

cataattatg aattactata 440

[illegible]

[illegible]

tgccttgccc ctngatatat ttgaaggact catggtcact attaatgaca aattccttgg 60

gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactta atttcaaaag 240

atttttgana gtttggcaac gaaagtatgg gggcattagt tagcttttgc ttaagaacat 300

tgaaagcttc ttcttgtgtc tctccccatt tganaccaac attnttcttg agcacttcat 360

tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaa 409

<210> 15619
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15619

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gaggtgactt tgagcgtttg tntatggagg agtccgagtc attttctgat ttttttttctc 120

gagtattgcc cgtaatcaat caacttaaaa gaaatggtga agatgtngat gaagtgaagg 180

tcatggaaaa aatacttcga actttatatc caagttttgc cttcattgtt accaacattg 240

aagaaaacaa ggatttaaag accatgacta ttgagcaact catgggttcc ttacaagcat 300

acgaagaaaa acaaaaga 318

<210> 15620
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15620

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caagtgtaga ttcntntatat accttttntaa gatcttcatg tatcactcaa tcgggtacat 360

ccaccgcann atnatggaac cgcaacattt aatttccctc actagatgaa caattaagtg 360

aaccatgatg tcaaanaatt aaggaaaata catctccaaa tgacacaag 409

<210> 15621
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15621

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taaaaataac caaatacctt atttaaaata tatgtatacc ttanacatgt gtaatttgtt 120

ggatcattga ttatgtgttt atatattcaa tagatattaa ctctccttta atgtatgttt 180

tttgtcaaca tgttttttctt ggcttcggct taatttntatt attcttcana aaagagtgtc 240

cgggactttn tgacaaanaa atggatgttn tttatataaa aaanaacaat attctcaaag 300

agtgtagttt ggaaacaatn tacaagacat atnttttgtc acataatatg tangagaaac 360

caatctcggt gtcactttat atttgtttta tgtc 394

<210> 15622
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15622

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atgtggatgg ccatgtagat gatagcaaaa gggctntatg tgaccatact tgccacagta 120

gtgacacctc cacttctttc ttttgctcct tttctgctgc gttccatgat gtcgagaccg 180

atgttgtgac atcgtggctc cagtgctgtt tttggcagga acaaatttctg tcatggttgt 240

tctgccagca gatttaggat taaatccaag tcctctcngg tttccaacat tctttccaag 300

<210>
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15623

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aacatgtggg ccatcatcga ccaatataag gaaaagttaa gcctagcggt aactcacaaa 120

caaaggctag aggacgagta cgtgaaggta taagtcctgc aagtggaaag ggaagcaagg 180

gaaagggtga tcgattcatt acacagagaa gcaatgatgt ggatggatag gttctccttt 240

actgaaattc tgatactgtg gacagatgtc gtacaggatg tcacgacatc gcgcttcaga 300

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gtaacccagt tcggtgaaac gtacctacat ctg 393

<210> 15624
<211> 338
<212> DNA
<213> Glycine max

<400> 15624

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taaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagggtctcg 120

atatattgcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatcct 240

agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgtct 300

cgatatacta cgggacctca tcagacatcc gagtaaaacg tattgtcgtt tgaatggctc 360

agacgttcaac attcaatttcg agcgtctc 388

<210> 15625
<211> 312
<212> DNA
<213> Glycine max

[illegible] gagccaattc aaacgacaat aacttttcac 12[illegible]

tcggatgtct gattgagtcc cgtaatatat cgagaccctc gaaattgaat gttgaagctc 180

ttagtcaatt caaacgacaa taacgttgta ctcggatgtc tgattgagtc ccgcaatata 240

ttgagacact cgacattgaa tgttgaatct ctgagccaat tcaaacgaca ataacttttt 300

gattcggatgt ct 312

<210> 15626
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15626

tttcaganaa tattctcaac agtcacatct ttttatgtgg ttcttgaatg gctatcaaag 60

gcctatatat atgtgacttg agacacgaat ttgctaagag tntttcagaa caaaaaggtc 120

ttatcctctt ataaagaaaa atcgttttat cctcttacaa attccttggc caaattactt 180

gtgattcaat aaggaattat ttgagtgctc aaattgttca atctatctct ttcaagagag 240

atttcttctt ctcttcttct tcattctgan nagggattaa gagaccgang gtctcttgtt 300

gtgaaataat tc 312

<210> 15627
<211> 255
<212> DNA
<213> Glycine max

<400> 15627

accattaaaa aaagctgtcc ctccatccat ctgttgcaac tcaaggtcaa aatgagcaac 60

taatgccaag attatacgaa gagaatcttt cttagatact ggagagaaag tctctttata 120

atctattcct tcctttagag tagatcccct acaacaagac ttgccttgta tctctcaatg 180

ttagctaatg aatcctttt ggtcttatag acccatttac atccaatggc cttcgcccca 240

ttatgcgact ctaca 255

<223> unsure at all n locations
<400> 15628

ggagatgaaa aaaatcatga ggaagcggta tgtgccggct agttactcaa gggacttgaa 60

attcaagctc caaaaactaa cccaaggcaa caaggggttt gaggagtatt tcaaggaaat 120

ggatgtgctc atgattcaag cacatattga agaagatgag gaggtaacta tggctcgatn 180

tcttaatggt ttgactaatg atatccgtga tattgttgag ctgcaagagt ttgttgaaat 240

ggat 244

<210> 15629
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15629

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taaatctttа taagtaaaac atgtatgttt attctaactc accccatctt ggagcttgtc 120

ctctacagca gtggcaccaa gaagaattag gttcttctca atcttatctg atacttcctc 180

aatcattata tcctgatcag cactgactac attcttggcc ctagagaatt tactatcaaa 240

ctccttgtat tcttctgcat caagttcacg ataggccagt ataaaggttc tcaaacccgc 300

atcagcatac tcatgcacat ngctcatggt tttctcttca aactccttcc tattcttggc 360

aagcctttca aacatggtgc tgcatgaaaa catcactc 398

<210> 15630
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15630

agcttgttgg taaactatat gccttgttta acccggtaac ccaactggcc atgaatcaaa 60

aatctgcacc tgtcgctaga ctctantggt tatgctcctc tgacgaccac cacacagacc 120

[illegible]

[illegible]

cttcacaaca gtagctacaa caccagcctt atttgtcaaa tgttgctggc ccaagttgac 360

catacgttca ctcaccgatc cagcagtaac aacaacaaca gca 403

<210> 15631
<211> 392
<212> DNA
<213> Glycine max

<400> 15631

gctttatgta aactgatgcc ttggtaaccc ggaacccaac tgccatgaat aaaaattgcc 60

ctgtcgctag ctctatggtt atgctcctct gccgacacca cacagacctt tgccttgtgt 120

gcaacaatct gaagcaattg agcagcctaa agcttatgct acaaacatct acagtagacc 180

tcctcaacct cagtagcaaa atcagccaca acagaacaat tatgacctct ccagcaacag 240

gtacaatctc gggtggagga atcataccaa tcttagatgg tcgagtcctt cacaacagta 300

gcaacaacac cagccctatt ttcaaaatgt tgctggccca agtagaccat acgttccttc 360

accaatccag cagtaacaac aacaacagca gc 392

<210> 15632
<211> 280
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15632

tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaacaa taataacgtt 60

ttactcggat gtctgattga ctcccgtaat ataacgagac gctcgaaatt gaatgttgaa 120

gctctgagcc aattgaaacg acaataactn tttactcgga tgtctgattg agtcccatca 180

tatatcgaga cgctcgaaat tgaatgttga agctctgagc caattcaaac gacaataaac 240

tttttcacgg atgtctgatt gagtcccgta acatatcgag 280

<210> 15633

agctttatca tcagaccact tncagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tttatcagag agaaatcaga caccttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaanaag actgtgtcat caagagaatt angagtgacc 240

atggcagaga gtntgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatc acaccacaac aaaat 335

<210> 15634
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15634

aaattgagtg gggagaaaat tttcactaat tatgattagt gaattttagc tatggttcag 60

cccaccaatc caagatcaat tccaagattc tccactaagt gtgcttaggt gtcatgaggc 120

atgtaaagca tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggggtgtagc 180

aagcaaatga tcacctcccc ctctaatatt taattggatt ggtcttctcc caattcaatt 240

aaatntattg ctcaacacac acatcaaata tggacttaat taacgtgaaa ttacaaaact 300

acccctaata cacaaactat agtct 325

<210> 15635
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15635

ataanatatc gagacgctcg aaattgaaaa tcggaagctc ttgagcaatt caaatggtca 60

taacttctaa cttgaaggtc cgattgaggt gcataatata tcgagacgct cgaaattgaa 120

gaatggaagc tcttgagcaa ttcaaatggt tataactttt cactccgagg tccgatacac 180

<211> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15636

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gaaattactg ttcatgctga agagactgtt gcttcaaaga gtgcagttga gatggtcttg 120

cgttgttctc acttggataa cagggatgtc ttttctaaaa gtgtacgtat tcratatccc 180

atattaatgt cccctattta attaaataca ttttttttgg tttgtcattc gaaacatctc 240

tcatatattg ttttctcgta ngacccctct ctaagaatat caagaatggt tgagagtgga 300

cgttatattc ctatatgcaa gactgaagtt atcgacgaca atttaaattc caaatggaat 360

catttgtct 369

<210> 15637
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15637

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tgcacttgac ccaattgggg ttttttcagtc ttaacctctt cctgaaccag ggatttctgc 120

ttctccaatg attgaaactt ctttgggggtc ttctttttcct tccttgagac ctcttgatag 180

cttgtggctg attctgccgc tcgtaacttta agcagcctca tctctttcct cagtgcagca 240

ttttccacct caaatttccg gacatcaaca ttggttcgtt ctacctgtgc acttgctttta 300

gacaggcatt ttccratctca caaaacttctt catagtgttt tcctctagag attgttttttc 360

tttnttaaga cgttcaactc atctttctct tgtctcaat 399

<210> 15638
<211> 398
<212> DNA
<213> Glycine max

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attgatagag ttcacttaca acaacagttn tcactctacc attggcatgg ctcccatga 180

agcttntgtat ggtagaaggt gtangacacc tctatgttgg ctaaagccct gagaagacct 240

cacctatga cttgaagtgg tacaacaaac caccgagaag gtcaagttga tccaagaaag 300

gatgaagact gctcagagta ngtagaaaag ttatcaggat aagagganga aagacttgga 360

attcgaggtg gtgatcatgt attcttgaga gtcactct 398

<210> 15639
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15639

attgaacaag cggaagctct gcgtgtataa tcnagtgttt ttaaattntc acacagatgt 60

ccgatgcggg gaaataatat atcgagacgc acgaaattga acaacggaag ctctcgagaa 120

atttgaatgg tcataacatt tcactcggat gttcgatccg gggacataat ttatcgagac 180

gctcgaaatt gaacaaccga agctctcgac acattagaat ggtcgtaact nttcacgcga 240

atgttcgatt ctgggacata actcatctag acgctcgaaa ttgaacaacg gaagctctcg 300

agaaattcga atggtcataa gttttcacac cgatgttcga ttcggggaca taatatatca 360

agacgctcga aatttgacac cggaagcttt cgagaaaatc gat 403

<210> 15640
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15640

taagcttatc accatcggaa gccatggata aaagcttgaa ggtaggagaa aatgagtaga 60

gggagaggga aagaagggaa tgaaatnttg agagagaaaa gagggagaat gaggtctgaa 120

agaatttcat ctatggttca acccactaat ccaagatcaa atccaagatt ctccactaac 360

tgtgcttang tgtcatgagg catgtaaagc atg 393

<210> 15641
<211> 325
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15641

agcttattga catccgtgac tngatcttaa gcgaagatgt tcgcaagaga gatntangag 60

aatcttccaa tcatgtntcc anttcagcat ttgatactga aggcanggga agtactaccc 120

aaaatgatgc aatcctaccc cgcaagggca ttggctagaa gactccaagt agattgggct 180

agagatccaa ggaaaggccc tagggttctc atgagcctta nggtagatnt cgagcccatg 240

ggctaagtat gagcccgctt atctttgtaa tattagatan ggtattcctt cgtctagccc 300

ngtattttgg ctattctagt agtat 325

<210> 15642
<211> 357
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15642

caaatcccct gggataaagg tagtgttgcc atgttttcaa agcccgtact aaagcatata 60

actccttatc ataagttgaa tagttaaagg taggaccact taacttttca ctaaaataag 120

caattggatg gccttcttgc atcaacacag ccccaatccc aacatttgaa gcatcacact 180

caatttcaaa agatttttga aagtttaaca acgcaagtat gggggcatta gttagctntt 240

gcttaagaac attgaaagct tctttcttgtt tctctcccca tttgaaacca acatttttct 300

tgagcacttc attgagaggt gctgccaatg tgctaaaatc cgtctataaa aacttgc 357

<210> 15643

[illegible]

[illegible]atttatgac ctctccagca acaggtacaa tcccggatgg aggaatcatc ctaaccttag [illegible]

atggttgaat ccttcacaac agcagcagca acaacaacat acttatttte aaaatgctgc 120

tggccaaagc ataccatacg ttctttcacc atccagcagc aacaggccca aaaacagcaa 180

acagtt 186

<210> 15644
<211> 349
<212> DNA
<213> Glycine max

<400> 15644

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acatcattcc atttttcctt gcaacattca tgaacagcat gcatcatctc gtgatgagaa 120

gtatacgcta cgcagatcaa aagaactctc tggttgttgc gagcagtaac tctcattgcc 180

ttttgcacag aacatgagaa cattaaattc aaccttatgg ccataacctt cttacatgta 240

tctcttcttt gcataccttt gattcccatc catgatgaaa gcaatatgac ttggcatagg 300

aaccaccgat aaaatgggca acatgcatct tcttatataa caatataaa 349

<210> 15645
<211> 390
<212> DNA
<213> Glycine max

<400> 15645

agctttcatt ataataaact aagcaataaa ctacttcata ttttccctgt gtgtgtggtt 60

gtcgtgcaat cccttctaca acttgccatg caacattgcc ttgatcaaac ccaagagcaa 120

gcccctatgc caatctatca atagtaacag aagcaaccaa aataattaga ttcatgatga 180

ttttcttgta acctaaatat gaaataaaga aataattaat gatataattg atcgggtaat 240

catgacttaa ttttttaatt atcaagattt atcttattaa agtaattaat aagagttcca 300

aattgaaaat aatagtagtt attgaatact accaatgagg attccaacat gcttgaactt 360

<213> Glycine max

<223> unsure at all n locations
<400> 15646

acataatact cagtagtcct tgctacaagg gaaaccttcg aaaaagaaac canactgnct 60

tacatattcg ataaaaaaac agaccaaata ttttttcag gggaaagacc acaaaccagg 120

attggagtta gctgcccctc taggtcaaga agaccttgg caaaagcagc tgcagacatc 180

tgtttaatat gggtcatgaa aaaatggctc acatatgatg ccaaaggaca aattaggctt 240

ataaacaatg cctagacatc aaacacttcc aaaatgtata aaaatgtagc aaccaataat 300

gaaaaccact tagccttctt atgattaagg tgagcacaac tttaggccat acctgcacac 360

gaccctcatc agagctgtaa atcttgagat catgacggta tgtactatgg aggcgaagaa 420

gccctgtacc ttcttcttgc atttaaacca cacaaaaatt tgcctttata catactac 478

<210> 15647
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15647

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tcatgagaat tgatgaacgc agtgataatc tccttggaca ataatttctc tcgaatgaaa 120

tgataatcaa tctctatgtg tttagtcttt tcatgaaaga ctggatatga ggcaatgtga 180

agagctgcct gattatcaca gtataacttc atttgcacca cttcacaaaa ttccaacttt 240

tggagaaatt gtttaatcca cataagttca catgtaacca tagccataga tcgatattca 300

gcctctgcac tagatcgagc aacaacagt 329

<210> 15648
<211> 455
<212> DNA
<213> Glycine max

acatacctct ctaatagcta agcttacctc cttgagatga gaagctagag cttagctaca 180

cacccccctat aatagctaag ctcaccccca tgacaaanaa catgaaaata ataaaaaaaa 240

agtcctttatt acaaagacaa ctcanaatgc cccgaaatac aaggctaaaa ccctatacta 300

nagaatggc caaaatacaa ggcctagacg aaggaaaaac ctattctaat atttacaaag 360

atnaagcgggc tcatacttag cccatgggct cgagatctac cctaaggctc atgagaaccc 420

tanggcctnt ccttggatct ctagcccaat ctact 455

<210> 15649
<211> 396
<212> DNA
<213> Glycine max

<400> 15649

gacacataat actcagctta tataaccttt accatgatag agataactgg tggattgttg 60

catcaattgt agtggttctc tgcctattat gggttggcat agaggatgta agctttcata 120

gcaaagggac cacactcaat cttgcaactc ttcctgttgc tgttggtctt tatggttact 180

gctactttgg acatgctgtg ttcccaaaca tttatacatc catgacaaat ccaaaccaat 240

ttccctggaa tcctcttagc atggtaaatg acttttagct ataatctaac tcagcttcca 300

ctagtccact cactaaatat taaatctcct caagtcctgt acaaattgca atttacaaat 360

atagtcaaaa gatataatta tttggcttac gtcaac 396

<210> 15650
<211> 346
<212> DNA
<213> Glycine max

<220> unsure at all n locations

<400> 15650

ctagagcggt tcccttatgt tatcaaacat aaaaagggat aaggtaatat tgtagccgat 60

gctctttctc ggcgtcatgc attactttct atgcttgaaa canaattgat tgggcttgaa 120

[illegible]

[illegible] 540

<210> 15651
<211> 225
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15651

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agtttccgat gtttaatttc gagcgtatcg atatattata agctcgaatc ggacatccgt 120

gtgaaaatnt atgaccattt gaatttctca agagcttccg ttgtcaatat ccagcttctc 180

gatatgtgat ttgcctgaat cggacatccg tgtgaaatgt ttacc 225

<210> 15652
<211> 387
<212> DNA
<213> Glycine max

<400> 15652

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ggcccatttc attctcgggc ccatactgta aacccagcat cgttttccag gtaacatatc 120

aaacccaaag agagaaagta gcaggaataa acagagagag aaagagagaa aataacagga 180

aaaaaatgaa aagaaactaa ataacatgat agcccacaag tgtgttcata agccaaatgt 240

gatttggcat caaaaaataa cgtcaacctt ttgtcattca agtaagacag aacacatgtc 300

tgtcatttcc catgaatcat ttacatttag ttaaatttta aatatcaata aaatatttaa 360

gaaatattat agtttatttа ataaata 387

<210> 15653
<211> 303
<212> DNA
<213> Glycine max

<400> 15653

[illegible]

aaaatatact atcaaactcc ttgtattctt ctgcatcaaa ttcacgataa gccagtataa 240

agggtctcag accegcatca ccatactcat gcacatgccc catgggtttc tcttccaact 300

ctc 303

<210> 15654
<211> 170
<212> DNA
<213> Glycine max

<400> 15654

agctttttt tatattatgc acatgaatcg gacctgcgag tgacaagata tggccatttg 60

aatttttcga gagcttccgc tgctcaataa cgagcgtctc gatatactat actcctgaat 120

cggacctccg agtgaaaagt taagaccatt tgaatatctc gagagcttcc 170

<210> 15655
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15655

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ttaaaaaagg ctntatatgg ctcanagcaa tatagatact actcttttca taaagagaaa 120

attacatgat attttattgg ttcaaattta tgttgatgat attatttttg gatctactaa 180

tgaattattg tgcatggaat tctctcatga catgcaaagt gagtntgaaa tgttaatgat 240

gggagaactt aattttcttt ttggattaca aattanacaa accaagactg gaatttnntgt 300

caatcaatcc aagtactgca nagagttaat tcacatattc ngaatggaaa tgctancaca 360

tggctaccca atg 373

<210> 15656
<211> 301
<212> DNA

[illegible]

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cactaccata ggaggccatg gataagagct tggaggaaga acgagatgaa tgaggggaga 180

gggagagaag agcacgcaaa tttgtgctct aaatgagcct ctgaatctga agtttaatat 240

ctcaatgatc aaagttgaaa aaaatgcaca tacatgacct ctattatagc ctaagtgtcc 300

a 301

<210> 15657
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15657

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gtttcatggt cttgcaggtg aagatcctca taagcatctt aaggagttcc atattgtctg 120

ttccaccatg aaacccccctg atgtccagga agatcatatc tttctaaagg cttttcctca 180

ttctctggag ggagtggcga aagattggtt gtactacctt gctcccaagt ccattactag 240

ctgggatgac cttaagaggg tgttcttgga gaaattcttc cttgcatcta ngaccactt 299

<210> 15658
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15658

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gccactgtac ctcttaactg ttcaagtcaa cagatggct taagggtgtg gttggataaa 120

caacttaatt aagtgcttat tagataagta cttatcatgt aagcccttat gtataagcta 180

tntctataat aaaagtagaa ataggattaa actctctcaa tataagttgt tagttatttt 240

catgaggtat catggagatt ggagatctta tngataagct gaaaacaact tatggacaaa 300

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15659

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gatggcgcct cctttcncct cttctccttt gtcttccgct gcatctccat ggtggaaaat 120

cnccattgaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc tccacaagca 180

agcttccatc acatcccttg tggatctttg cttgtaaagg attttacaag gttattggaa 240

atctaaagaa ccggtggttg cttggggact ggatgtangc actggttgtt gccgaaccag 300

tataaacttg tgtttggctt cttcttccct acactctata attctcgctg tgtacttta 360

attccgcttt acttaagtct aacgtattag ttatgttc 398

<210> 15660
<211> 326
<212> DNA
<213> Glycine max

<400> 15660

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attatcggac aaagaaagct tgaagaccga gctatgcaat ttctgagagg tctgaatgaa 120

cagtatacat acattcggtc tcatgtgtta cttatggatc ctataccacc catatcaaag 180

atcttctcat acgtggcgca acaagaacgg caactgttat gtaactgctc tcctaatctc 240

aattttgaat ctaaggaaat ctccattatt gctgcaaggt ccgtttgtga gtattatgga 300

cgaatcggtc accacaaaaa tgtgtg 326

<210> 15661

<211> 347
<212> DNA
<213> Glycine max

<400> 15661

[illegible]

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tccctatgta catacataac atacattatc acaatgacgt ttccaatgtc aacaacatct 300

catcttaatt gtcttaccca catcaacatc atgtcatctc aatatca 347

<210> 15662
<211> 406
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15662

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atcattgggt ctccgtcatt gaagtgccac ttgagctgcc aggtctctcc acctttgggc 120

gtattctttg aaagatctgt gccccttttt gcacatgtta tgttgttgca tcctatccgg 180

aaccatatca aaattgtact gatactgcct aatgaaggca accattatgt ccttccaaga 240

gtggactcga gaaggttcga ggttagtgta ccaggtaaca gctacccccag taagattatc 300

ttggaaggaa tgtatcagca ggtcctcatc tgttacgcat gcccgcatct tccgataata 360

catccttaga tggttctttg ggcaagtagt ccccttatac ttgaca 406

<210> 15663
<211> 353
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15663

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acattcttca ttgaacacaa aagcaacatc tttattcaac aaattgctca acagtttggc 180

tactttggag aaatctttta tgaatcgcct agtgaaccct gcatgtgcta agaaacttct 240

tatttccttg acattcangg gaggaggtag tatgtcaatt acattgtaca cctctttccc 300

[illegible]

<211> Glycine max

<400> 15664

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ctggggtggg ccattattgg atggccttga ttttctcatg gtccacttgg accccatttc 180

<211> 15665
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15665

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cggtggctca gatgaagaat cacagagaaa ggaagaccaa aaagactaag gctaaaaatt 120

gccttttctc tactgtgtca aaaattattt ttacaagaat tatgaacttc aagtctgcca 180

aacagatttg ggattatctc agatcagaat atcaaggctg tgaaagaacc aaaggcatgc 240

aagtactcaa cntgngcaga gaattcgaga tgcagagcat gaaaaagact gaaacaatta 300

aaggctacgc tgaccggctg ttaagcatag caaatagagt gaggcttctt gggaaagact 360

nttccngatga aagaatagtg canaanatcc tggtcactat acccgagaag tatgaatcga 420

aaatatc 427

<210> 15666
<211> 277
<212> DNA
<213> Glycine max

<400> 15666

caaaagccat tcatgatttt tctaaacctt tgatcaacat gatgaaagca gctgggtggg 60

atcttgatgc tgctgccaac tcaatcgaac ctgatgttgt ttatgcaaag agagctcata 120

agaaatatgc atttgagtct tacatatgcc aaagaatgtt cagtggctct gagcaagaaa 180

<210> 15667
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15667

cctcaccaaa tcccttattt ccagaaggga attctatcaa tagacctcca atctttaatg 60

tagagggtta ccactactgg aaaaccccgaa tgcaaatttt tatcgaggca atagatctaa 120

atatctggga agccatagaa atagggcctt atatacccac cacagtagaa agagtttcaa 180

tagatggtag ttcatcaagt gaaagcataa ccatagaana acctagagat agatggtctg 240

aagaggatag aaaacgagta caatacaacc taaaagccaa aaacataata acatctgccc 300

tatgaatgga tgaatatttc agagtttcaa attgcaagag tgctaatgaa atgtgggaca 360

ctctttgatt aacacat 377

<210> 15668
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15668

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gagtcccgta atatatcgag acgctcgaaa tggaacaccg aatctctgag aaaattcaaa 120

cgacaataac ttnntactcg gatgtcagat tgagtccaga aatttgtcaa gatgcttgaa 180

attgaagacc aaagctctga gcgaattcaa acgacaataa ctttttactc ggatgtgtga 240

ctgagtcccg taatatatcg agacgctcgg aattgattat cgaagctctg aacaaattca 300

aacgacaata agttttttact cggatgtctg attgagtccc gtaatatatc gagacgctag 360

aaattgaata cngaagctct gagcaaattc aaacgat 397

<210> 15669
<211> 348

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ttttatcaca acatgaacag cnacggcatc cttatatgca tctttgatgg atataacatt 120

angatgcccc gccaagtggt gcattatctg aatatctctt ctcacatcct ccacatcatc 180

atcggtgacg agcttcctct ttgcaataga tntgcaggcg cactccagcc ctgttgcctt 240

ttccacgcac aagaacgttg tcccgaactg accctgtcca agtttctccc agagtaaaga 300

actttgaaa tatcggtctc tctttgaaca cagaataaca cgaaccct 348

<210> 15670
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15670

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tcacccgacg aagacactga caaaaactta tcttctcctt cttggacaag gtatggcagg 120

ctggggggcaa gtaaatttttc ttcccatcac accttggatg caattgtgat cgtataccca 180

tatcagctag atcttgatgg gtattcaagc catccttcgt cttgccttga atgttaatga 240

gcgnaccaat cacattgtca caaacatctt tctccacatg cataacatca atacaatgtc 300

taacgtcaag atcacaccag tacagaagat caaagaaaat agacctcttc ttcatatgca 360

actctgactc ttatccttct tttgggctta ccaatac 397

<210> 15671
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15671

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atctatcata cttctctcca tattactgag tccttcataa aaatattgga gaagaagttg 120

ggacttggaa tdaagtdata c 421

<210> 15672
<211> 402
<212> DNA
<213> Glycine max

<400> 15672

agctagcctt ttgcaagtgc catttggccc atgtaatgaa ctacatttct actattagtg 60

ggtcctaagg agatggagga aagtgtttct acaagagatt gttgcaatgc ttccaagcct 120

tgagataaag catcctcagc ctgctgggaa gactgttgca gattataaat tcccatcaac 180

tgctgatctg ttaatggctc aaggtggttc ttgatgatct gaactccaaa agacgagaaa 240

tgagtcaaca acaaactata tacacaagtg aagttactag aaaatggaag tacttaattg 300

gcaatcacct tgagaagttc ggatgaacgg aatccaccaa gccacataaa acatctttcc 360

acaggtgtct tccacatccc attatgtatg tgtaatacat ca 402

<210> 15673
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15673

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tttgtatttt ttatgggtga ttgtgttttt acatggagtt ctaagaagca agacattgtg 120

acactttttа cttgtgaagc cgagtatgta gctgcaactt cttgcacatg tcatgccatt 180

tggcttagaa gattgttgga ggaacttcag ttgttcaaaa aggaaagcac aaagatctat 240

attgataata gatctgcaca agagcttgcc aagaatccag tgttccattg acgaagtaag 300

tatatatata caaggtagca tttcattaga gagtgcatta ccaaaaaaga agtagaattg 360

actcatgtga taactcatga tcaagttgcg gatattttca ccatgcctct caa 413

caatcatact tccactgttg ccacaggttt gggtaaattt ctggtatgct gtgggaacca 60

attccaaatt taattttgga aactatatct tttgatcaaa ctgttaagca ttcagaatct 120

tttgctatca aattacccat tgccttcccc actgtattgt gtggcattat gttcagtcag 180

catccaaata tgttaaacta cactgacttt gtgatgaaga gagaatcttcc tctatccctg 240

cattacaaac tggttgaagg gacacatgtc ccagacattg tctcgacatc tgttctgaca 300

tcag 304

<210> 15675
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15675

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aaatttaaat cttaaatata taatcatatt aaatatttag agaaagaaat ttaccgtgta 120

taataactct atcgtctatg attttaattc acaaaagatt tcaatcctaa gagcaactta 180

atagaaatac actacactac ccaaatatac atggtggtat ctagctcgac agatatttat 240

caaaataata ataatacatg tcgtcttaat cttagattat tattgattat gtaggctcta 300

gcttctctta antttttttcc tatcatgcat gtntcctttg ttggtggtgg tggtggtggt 360

attattatta ttattattat tattatcata gattatg 397

<210> 15676
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15676

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gtttcgaaat cacgatgaat aatcrttggg tcgcaatgat cgtgcaaata agcaagcccc 120

tgttggtttt gtggaggaaa ttataaaaaa gagaggagag aagagagaca ataagtatgc 360

agaggaaata gaattattct attctaaatt caattgttct caacaacgat acantaaata 420

tctaaagata actaat 436

<210> 15677
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15677

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acattttgct tctgcactag accgagcaac agtgttttgt tttttgctca tccaagagat 120

aatantacct caatggatac acaatatcca gtagtggacc ttctgtctat ggagcatcca 180

gtctttaact tgtcctcata taacaatcct tgtcctggag ccttctcaat gttcctgaga 240

atgcgaatca caaccttctg gtgatcaaca tgaggagctt acatgaatng actaaccagt 300

cttctatatc tttctggatc tgagtatgga tcaccttggt ctgccattaa cttttgattt 360

ggatctatag gaatattaac gggtcaacag ttagtcatgt ctggttcttc ttaaatatca 420

agagcatact nntctttgaa gactatatg 449

<210> 15678
<211> 390
<212> DNA
<213> Glycine max

<400> 15678

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ggaaggggggg ttgaattaaa atatcacaat ctttccttat tcaaaagttc tattttgatt 120

ttaaccaaaa aacccaagat ggctttcaaa atgacctcct aaataataat gcaaattaat 180

cttactgatt agaattatta agaattaaac attaaagaag tttaagggaa gaaagattgc 240

<210> 15679
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15679

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aacctgcgat acttatggta acgaatttgt tcttcactga gggcatttac aatggcagca 120

ccctcagcat tcttgggagg aaccctatgt tgcagagtgt taaagaaatg ccaattgttg 180

ggggtagtgg gatcttcaaa tatgcaaggg gttcttctgt gcttaagaca catgtgcatg 240

atgctaaagc tggtgttgca attgtcgaat acaacgtgtc tgtcctgcat gtttgagtga 300

aataggttga agttgctctt tataatatan gtttngtttg gaaggtgagt ttgaatcttt 360

ctcttctaat ctctctaatt ttaagtccat tcgtctt 397

<210> 15680
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15680

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gtctccatgg tttgttcatc aattcagttg gctgaacaaa atcatcctct ttttcatttc 120

caaaaccacc ttcctttggc catatagcat tgcatagcc ataggttccc tttgttcaaa 180

gagccacctа ttatgatcaa aatctccagt ttggctcctc accagtgctg acttcgttga 240

cttcatcatg gacaatcttcc tctccatttt agacattcca cttggtggag gaagtagaag 300

gggatgccca ttatctatag ccacttcatc tagttctgtg ttctgatatg gctccttgca 360

tcctgngcat atccacctn ctgttttact 390

<210> 15681
<211> 444
<212> DNA
<213> Glycine max

<400> 15681

cattctccta acaaagtcga acatgccata actcaatcgt gctttttctt caatgtcata 60

tgtagcaaag acattgatcc tgccaagtta gatgagctag aaaatgaggc taccaatata 120

ttgtgtcgca tggagatgta tttacctcct gagttcttcg gcattgcggc acacttaatt 180

gttcatctgg tgagggaaat taaatgttat ggtcttgtat atttgtggag gatgtacccg 240

attgaacaat actagaagat cttacaatgg tgtacaaaga atctacatcg ttntgaagca 300

ntattgtgc gaaggtacat tgtacaataa actattgag 339

<210> 15682
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15682

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gtacgtagag actatntcaa tggaaaacct tttttgagaa atatgcttga ggtattctat 120

tgactttctc catgttagtt ttttgtgtct tcaatatatt ttggttatga gtgcctttca 180

agtaattatc ttatttttt agttttatca aggtggtgtt gaaatgatta gaaaggattt 240

actgacttgg cactggagac cttatcttga acgtgcgata agnttgaacc ctgctatgaa 300

gcaagcatta at 312

<210> 15683
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15683

catganggtg ggctcatggg ccactttggg atatacaaga cgctcgtctt actcaaagga 60

aaagtttatt ggcccccatat gaagaaaaat gtccttaagc attgcactag gtgtgtagct 120

tgtttacaag ccaagtctag ggtgacgcct catgggctat acacaccctt acccatcccc 180

[illegible] 240

ctcgatggtt cgcctggacc att 333

<210> 15684
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15684

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aaaagctttc aactgaattt acaacgttcc aatcaatttc aaaatggtgt aatcgattac 120

aatatattgg taatcgatta ctagtgtgtt tgaacgttga aattcaaatt caaatgtgaa 180

gagtcacatc ctttcacaca aatgctttgt gtaatcgatt acaatgattt ggtaatcgat 240

taccagtgat aagctttgaa taaaaatcac aagatgtaac tcttccaatg gttntcatgt 300

tattctaaaa gttataactc ttaatggttt tcttgaccag acatgaagag tctatanaag 360

caagaccttа acttgcattn tatagacatt gaatacattg atttcaatcc tttacaaccc 420

ttgagtctct ttgaacatct tctt 444

<210> 15685
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15685

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atacaccaaa tttgagagat tcccaatctg aggaggaatc ttccccatga ttccagtatg 120

agaagaggtt gaggtgagtc aaggaagtca ttgtccaaag gaaagaagga attgacatac 180

cttctccaag gtattcattg gcgctcaagt ccaagtaatt caaatgcttt atatcagcca 240

aacaaggact tatcttctcca ccagagctcc atctcctata agcttcccaa tcatcattga 300

aaatagaatc tg 312

<211> Glycine max

<223> unsure at all n locations
<400> 15686

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tatgcaccag gaaaacattg ttgttgaaag aaattgtagt gttgtgattc acaagatcct 120

tccacctaag cataaagacc ctgngagtgt aactattcct tgttcaattg gagaagtcac 180

ttgggaaag gctcttattg atctgggagc caatattaac ttaatgccac tctccatgtg 240

tagaaagttg ggaaagtcag agatcatgcc cactaggatg actttacaac ttgctgactg 300

ctccattacc agaccatata gagtaattga agatgtgttg gtttgagtaa aacattttat 360

cttccccgca gactttgtgg taatggatat ctgtgaagat aatggcattc ctgtaatatt 420

ggg 423

<210> 15687
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15687

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taatnaaata caaagttatg atttaataat tacatagtaa gtaataaagt aataataatt 120

aaaaattcat aattaaatac tatnttttta ttcatacagc ttatatttaa agaactttat 180

ctatcttaaa gtcatttttaa acagaaattt aaaaagaaaa gggggggaaat aaagacagtg 240

ga 242

<210> 15688
<211> 328

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15688

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ttctgattga tctagccttc aactggagca aagtatcaaa taatctactc ccaaacttga 300

catagccttt actactacat tgcttata 328

<210> 15689
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15689

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taaagactga aagaacttgc ctgagatgtc ctaagtgatc atctangctc ctactgtaca 120

ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatccctt aagacatgat 180

gcataagcct cataaaggtg cttggtgcat tagtgagccc aaaaggcatc actagccatt 240

catacaaacc aaacttggtc ttgaaagcga ttntccactc atcaccctnt ttagtcctga 300

tntggtgata accactttta 320

<210> 15690
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15690

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aatctagatg aattaatatc tagatgaaat aaaatctaga taaaataata tctagatgag 120

ataaaatcta gatatgataa gataaaatct agatgaaata atatctagat aagataagat 180

ntggtagcat aaaattgtct gctctcttca agtccaagcc caattccgga ttcaaaccca 240

attgcttant aatttcctga nattaaatta aaaacacaaa attaatccag taggcccaaa 300

tgataaaact gcataattaa tttgacaatt aaggctaatc agtaattaaa atggtgacaa 360

<210> 371
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15691

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gaatttgaaa attgaacgtt tgtgcttaac tttttgaact atacggtatg ttgttgtttg 180

gatggcacta tatcacatga atgcattntg gtttgcaacc tggtgtgttt gcaaggggtt 240

gtgaagcgaa tttaataata aataanatca aatgctttct ctctggttct ttgtatattt 300

aattgaaaag tatancatat ctatagagta tcttcaatta tacttaaaaa attaagtatt 360

atattaaaaa a 371

<210> 15692
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15692

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gcaagggtnt tgtgggttgt gctcctctgc tgaccaccat acagaccttt gccctttcat 120

tgcagaacct ggagcaatng agcagcctga agcttattgc tgcaatattt acaatagaac 180

ctcccaacca cagcagcaaa atcaaccata acaaagcaat tatgacctct ccagcaatag 240

atacaaccct ggatggagga atcaccctaa cctcagatgg tccagccctc agcaacaaca 300

acagcagcct gctcttcct tcaaaatgtt gtggccaaac agacatacat tcctcaccaa 360

tccacaacag cacaacccca gaacaaccaa cagttgaggc cctccacaa 409

<210> 15693
<211> 365
<212> DNA

[illegible]

gtgggtangg attagcnnac caaatgagca cccctgtgga aatcggtcta caaacactaa 120

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ttccatatgt gggaaggtat tggaaagagg tgcagcaaac cggcagccct tctttgttcg 240

tattttgtct gttcgcacga aggacattgc acgatgtact ggcggacatc ttcttgtata 300

tgtggccagt caaaatttcg tcgtanatga tggagagtct ttgatacccc tgtgtgattg 360

tcgag 365

<210> 15694
<211> 446
<212> DNA
<213> Glycine max

<400> 15694

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ttcagtggcg agcatctcga catattatgt gcccgaatct gactttcgtg tgaaaagtta 120

tgacgatttg aatttctcga gagcttccga tgtttaattt cgagcatctc aatatattgt 180

aagcctgaat cggagctcag tgtgaaaagt tatgaccatt tgtatttgtc gaatgcttcc 240

ttggttcaat tccgagcatc tcgacatatt atgtccccga atctgacctt cgtgtgaaaa 300

gttatgacca ttcgaatttc tcgagagctt ccgttgttca gtttcgagcc tctcgaaata 360

ttatgcgccc gaatcggaca tccgtgtgaa aagttatgac catctgaatt tctcgagagc 420

ttacgatggt taatttctag cgactc 446

<210> 15695
<211> 428
<212> DNA
<213> Glycine max

<400> 15695

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tggattcagg cgcgtaatat atcgagacgc tcgaaaattga acaatggaag ctattgagca 120

agagaatcaa atggtcataa cttttcacac ggaggtcaga tttatgcgca taatatatcg 360

agacgctcga tattcaacat tggaagatct cgtgaaattc aaatggtcat atcttttaac 420

acggag 426

<210> 15696
<211> 331
<212> DNA
<213> Glycine max

<400> 15696

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tatccaatca acataaccca cttgaccctt ttgcacccca tttttagggc ttgttttgcc 120

accacagaga gcaacattct cccaagcccc ttcgtcttat aacactcccc caagaacaag 180

ttctccatgt aaaaccctcg cttctctaga acgagagaga agttcggaga aaacaagaca 240

aacccaacaa tggaaacacc tctgaaggtg tttaaattgt agtttctcga gataactatt 300

acttaatggg aaataatgat gaataattaa t 331

<210> 15697
<211> 215
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15697

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accatacaga cctttgccct tccatgcagc aacctgtagc aattgagcag cctgaagctt 120

atgctgcaaa tatttacaat agaccttcct aacctcagca gcaaaatcag ccacagcaga 180

gcagttatga cctttccagc aacatataca accct 215

<210> 15698
<211> 324
<212> DNA

[illegible]

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atttgaatac ttagtatttc tttcatattt acttagtatg actgaacatg atgatttata 180

ttagttgctt ttggtgttta tggttatgtg tggtaaacct tattatttta tgatatatat 240

gtctagtgat atgtacttac atttggtatt gtgttngatgt atgtcttata attattcatg 300

tatggtttat tnttacgcact atga 324

<210> 15699
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15699

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acgactactg attcaactga tcatggtaga gagctagaaa tagttcatat gacactaaac 120

gaaaagttgg ctgatacaaa atttctcctc gtttaggatg acgtgtggga acgaaaggcg 180

gcattaatgg agaactgtgc tgaatgctcc ttgttatgga gctcagggaa gtacgatcct 240

tgccacgaca cgcagtgaag aagtggcttc tatcatgcgg gcaga 285

<210> 15700
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15700

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cttcaccgga cgaagacact gacaaaaact tatcttctcc ttcttgcaca aagtatggca 120

ggctgggggc aagtaaattt tcttcccatc agaccttgga tgcaactgtg atcgtatacc 180

catatcagct agatcttgaa gggtattcaa gccatccttc gtcttgcctt gaatgttaag 240

gagcgttcca atgacactat cacagacatn tttttccaca tgcataacat caatacaatg 300

<210> 15701
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15701

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aagaagtggg gctccattgt tcactatgaa gttgataatt ggctctatat atggctctac 120

atcgctatta aaaacggatg tactgtgtgg gtaggcgggt gcagcaatga aagcagagta 180

tattgctgtt gacaccttga gtcggccatg caaattggct aatgaaattg ctntttgaat 240

gttggtcata gcaggtagaa tgtattggac cgacctcatt ggtattgggg ccaatttcgt 300

ttccaacaac gatgtactta aaattgacgt ctcgtgagta gggtgtcacg tacttattga 360

cccagtctct ggctgcatta gcgttngtca gagattgaag ggtatcctta gcaacgtcca 420

tgatcaactc aatgcctgaa cctc 444

<210> 15702
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15702

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tggtatacca gttaaatgct ccaagatatt gtcctctttct gaaccatctc taggagactc 120

gggcaacctt tgctttcttc tgtggtatct aactccccca aagaccagac cacaaatgac 180

aagcaaggtt attatgacaa tgaccacaac aactatgggg tgcttattgc cacctccact 240

gctccataa cccgtgccag cacctccaac cgtcgagacc ttgatgtaga gacataacca 300

gaatcacaat caggtttctg aaagcatcct acactgttca aaaggaaaca gtcccctgaa 360

c 361

<400> 15703

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aaatctatac ctgtcgcaaa agtctatggt ttatgctcct ctgncgacca ccacacagat 120

cttttccctt ccatgcagca acctgaagca attgagcagc ttgaagctta tgctgcaaac 180

atttacaaca gacctcctca acctcagcag caaaatcaac cacagcagaa caattatgac 240

ctctccagca acagatacaa tcccggatgg aggaatcacc ctaatctcag atggtctagc 300

cctcaacaac aacaacagca gcctgctcct ttctttcaaa atga 344

<210> 15704
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15704

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caacngagta aaaagttatt gtagtttgaa gttgctcaga gcttcaactt tcaatatcga 120

gcgtttcgat atgttacggg actgaatcag acatcanaat aaaaagttat tgtcgtttga 180

attatctcag agcttcagta ttcccattcg agcgtctcga tatattacgg gactcaatca 240

gacatccgag taaaaagtta ttgtcgtttg aatttgctcc aagcttcaac at 292

<210> 15705
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15705

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ccagacgctc gaaattgaat accgaagctc tgagcaaatt caaacgacaa taagtttcta 120

ctcgtatgtt cgattgactc tcgtaatata tcgaaacgct cgaaattgaa gaccgaagtt 180

[illegible]

[illegible]tgagcac atcaaatgac atgacttctta ctcgatgtca agtgagcctg aata 414

<210> 15706
<211> 106
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15706

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cacagtggcc aaagaagatt ggaagatcct gaaaatcact catgaa 106

<210> 15707
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15707

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aaaagttatt ttcgttgtaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgct 120

atattacggg actcaatcta acatccgagt aaaaagttat tgtcgtttga attggctcag 180

ggcttcaaca ttcaatttga gcgtctcgat atatgacgag actcaatcag acatccgcgt 240

aanaagttat tgtcgtttga attgtctcaa aggttaaaca ttcaatttcg agcgtctcga 300

tatgttacgg gactcaatca gacatccgag taaaaagcta ttgtcgtttg aatttgctca 360

gagattcaac attcaatttc gaacgtctcg atatattatg ggactcaatc 410

<210> 15708
<211> 394
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15708

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natactntacg tatatataga tattgttgaa gtattactac taaaaatatg atatttagta 300

atatttttnt atcaacacta aataaaaatg ttactaaaag cctttgacga catttaattt 360

ttttacaaaa tgatgaataa atgttattaa tata 394

<210> 15709
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15709

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gataaccaag aggcatgtcc atgtatactc cctcaatcaa atcactattg agaaacacat 120

tatttaaatc aagctgaaac atgttccaat ttctgtgagg tgcaatggaa agaaacactc 180

tcattgccgt atgcttggca acaagtgaga aagtgtccaa aaaatcgatc tctgcttgtt 240

gtttgatgtg tgtacccttt tgcaacaaga cgagccttgt atctatcaag ggagccatct 300

gctctatact tgaccttata aatccatctg caactgatgg gtcttttatc gggtg 355

<210> 15710
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15710

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ctcaaaaaaa gctctgagat ctgaagttaa tattcaaatg atcaaagttg agaaaaatgc 120

acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aattcaaatt 180

tcacttgaat ttgtggagcc aaactttgga gccaaaattt aactaattat gattcgtgaa 240

tgttagttat ggttcagccc actaatccaa gatcaattcc aagattctcc actaagtgtg 300

cttaggtgtc atgaggcatg anaagcatga aggacatgca cagagtgtga ctatatgatg 360

<210> 447
<211> 398
<212> DNA
<213> Glycine max

<223> Insure at all n locations
<400> 15711

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acaactcctt atcataagtt gaatagttaa aggtaagacc acttaacttt tcactaaaat 120

aagcaattgg atgacctttct tgcatcaaca cagccccaat cccaacattt gaagcatcac 180

actcaattta aaaagatttt tgaaagtttg gcaatgcaag tatgggggca ttagttagct 240

tttgcttaag aacattgaaa tcttcttctt gtttctctcc ccattagaaa ccaacatttt 300

ttttagcactt cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa 360

aatcttgcta aaccatgaaa actcctcacc tcggtcac 398

<210> 15712
<211> 434
<212> DNA
<213> Glycine max

<223> Insure at all n locations
<400> 15712

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tccaatacac tgccattgat cttcaagaag aaaatgactc cattgatgaa gaagatccaa 120

ggcctacaag ctccacatgg agctacgtca tgtggtatta agagcatctt cgtctaggtg 180

atgttctttt gcttcctcta tcttttttcc cggtcaattc actctaattc cttattcttc 240

atcttattct ccatgtatat cctccatttt cttgtggttt ggtactattt agagtagatt 300

cacaaaaaat aaactgatta aatcttagat ctacacttgt tcttgcattt ctattggttc 360

aaatttatag acctattctt gaatcatgnt tttgtgttga ttttaggttc tatcatttnc 420

agtcataatc tttt 434

<210> 15713
<211> 423

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atgatctaga tcgcaaagaa cagaagattc ttttagatct tgcatgtttc ttcataagat 240

tgaatttgaa actggacagc ataaaagttt tattgaaaga caatgaaaga gatgattcag 300

tggttgctgg gttagaaagg ttgaaagata aagctcttgt aaccattttt gaagataatg 360

ctatatctat gcacgatatc atacaagaaa tggcttggga gattgtgcgc caagaatcaa 420

ttg 423

<210> 15714
<211> 388
<212> DNA
<213> Glycine max

<400> 15714

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

ccacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttatgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360

tacatggacg gagatgaaaa agatcatg 388

<210> 15715
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15715

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[illegible]

[illegible] aatctctccc agtattcata [illegible] ccactgagtt tcttaattcc [illegible]

tcaagatatcc tttctgatgg cagtggtcct ggaagctgga aaatttttct ctaagaatac 360

tctcttgagg tcatcccanc tcgtgatgga ccttggagcg aggtaatata gccagtcctt 420

tgtcact 427

<210> 15716
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15716

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ggtcatgtac cttcaccttt ataaggctac acgccgtcac cttcaaaaga ctacacgtcc 120

tcacctttag aggactacac gtcctcgcca tcagaagact acatgtcccc catttttcaaa 180

agaggacatg ccctcacctt tagaggattg catgtcctcg tcatcatang actacactcc 240

ctcgccttca aaaggcgaca cgtcctgaac ttcaaaaggc tacacgcccc cgcctttaga 300

gggctacgcg tnctcacttt cagtgggctc catatccaca ccttaagata att 353

<210> 15717
<211> 438
<212> DNA
<213> Glycine max

<400> 15717

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atggcggctc ctctcagctc ttctcctttg tcttccgctg catttccatg gtggaaaatc 120

atcattaaag gacctcattg aagctcaaag atccaggctt catagaagcc ccacaagcaa 180

gcttccatca ctgctgttgt tggtgctgac ggctggacca tctgaggtta gggcgatttt 240

tgtatccagg gttgtatctg ttgctggaga ggtcataatt gttctgctgt ggttgatttt 300

tcttctgagg ttgaggagga ctattgcaaa tatttgcagc ataaggttca agctgctcaa 360

<210> 15718
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15718

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tctagccttt gcctgacact ccttgacctc acgcaggtac acccaaatgg ctcctcctac 120

aaaaggatta gtctctggcg atccgtcatg ctcctcataa gcagcgcgaa gccggcctat 180

gagggcatcg aggctacccc atgcttgcct gagagggcag gcacacggtg cacgaggggt 240

gggctggcca aagaagatgc aaccgtgcaa gtggagcttg gtttcccata ttgatcgagg 300

accgaacgaa atccaacaca tggttgaagt tgcactgaga gagtggaact ggcggactct 360

gat 363

<210> 15719
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15719

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ccgttttggg ccccactcaa gtcaagcctc tccaccaagc tcctcaacat aaccgtctcc 120

tctctctgca aaggcgaagca natcccccaat gccgaaacgg caatcgtcga cggcatacga 180

ctcggcgtgc tccccgacgt ggtcacctac aacaccctaa tcgatgcgta ctgtcgtttc 240

gccacccttg atgtcgctta ctccgttctc gcgcgaatgc acgacgccag catccccct 300

gacgttgttt cattcaatac cctaatctcc agccctgtga gaaagtctct gttctcgaag 360

tccctcgacc tgttcgacga aatgctcaaa cgaggcatca accccgacgc atggagccac 420

aacattctaa tgaa 434

[illegible]

[illegible]

agcttttgta ttattcaaga agtgcctttat gaatactccc gtgcttatgc caccagtacc 60

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gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180

gacctgtgaa atgaattact cgttgctcga aagaacgtgt tgagctttag tatgggcatc 240

ccatcgccta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300

ggctaagtac atctttgaga atccatctct cacgggacga atcgcccggc ggcaagtcct 360

gctatccgaa tttgatatag tcgacgtcac aca 393

<210> 15721
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15721

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ctatgacata agcttcaacc aattaacatt gtttgtatga caactgttgt agttggacag 120

caatcacaca gtttgtccac catggaatgc tntatgttcc tattggttat agttttggta 180

tgctttatgt tcctattggt tatagctttg gtgctggaat gttcaatttg gagtccacat 240

aaggaggaac tctatatggt gctggagttt ttgctggaga tggtacaaga caagcaagtg 300

aaatggagct ggagctcgca gagtatcatg gcaagtatat atgaaattag cccatnaaag 360

ctaggctgga ttctgtgatt aatnatccat taagccctcc tagctaggtt agcattctag 420

tc 422

<210> 15722

<211> 410
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 15722

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caaaatttaa gatttaattt aatttataaa tgaaatctgg tcagatttga ttattttctg 300

atcaaagtaa ttctcaatca agttaccccc gtttntaaat gattccgaat gctggtaaag 360

tatctctata gcatgctaca tatttataca gtcaaagcct ttctctattc 410

<210> 15723
<211> 433
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 15723

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gagtaaataa catatacaaa gatgattaat ttttacataa tcaatcacat attatcatat 120

aatgtaaatt gattgatagt aataataaaa atataaaatt catattaatt atgatttaag 180

ttctaaacat tatagatgat atgataaaaa aaatgtgtat aaaaatgaga aattaagcaa 240

taatgagaga aaataaaatt gaataatgaa agagagaaag agtgtgaccg tcacagcttc 300

caatagattg gtgttgtcgt gcaagtactt gaggacccat gttagaacac ttgctgtggt 360

gtcatgtgca gcaaagatga caccaatgag attatcaaca acttgagaat ctgtgtgctg 420

ctgatagtac atc 433

<210> 15724
<211> 394
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 15724

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cacatttatg taatcgatta ccactaagga attttcgaaa ataactccca agaatcacaa 120

tcgttcaaga agttcttgaa tgaccatcaa aggcctataa ataggtgact tgtgatacga 180

[illegible] 240

atctgtttaa gagaccaatg gtctcttaag ttgt 394

<210> 15725
<211> 396
<212> DNA
<213> Glycine max

<400> 15725

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ttcatatcgt gtctcaatag aattaattaa ttgatctaat atgtataaaa aatactcgat 120

acgaacagat tcttcacgtg aatgtgtgat ctcattacta atattttcat caaaatgaga 180

ttttctatga attttacgtt tttcacaaaa ttttggctct atatccattt cgatagccat 240

ttttttctgtg gattctaaag tcgatgcaaa cccgtcttcc ctataatgtt ttatataagc 300

gataagacct tttaaatgat ctatagcaac atctatatgc atatctttgg attgtacaat 360

cctgctaaca gaaattgcaa caaacaacat atcata 396

<210> 15726
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15726

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cggaagctct tgagaaattc aaatggtcat aacttttcac acggatgtcc gattcaggct 120

tataatatat cgatacgctc gaaattaaac atcagaaact ctcgcgaaat ttaaatggtc 180

ataacttttc acacggatgt ccgattcggg cgcataatat gtcgagaggc tcgaaattga 240

acaacggaag ctctcgtgag attcanatgg tcataactct tcacatggat gtgcgattca 300

ggcgnataat atgtcgagag gctcgaaatt gaacaac 337

<210> 15727

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aatcggacat ccgtgtgaaa agttatgacc atttgaatgt ctcaagagct tccgttgttc 240

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tcatttgaat ttctcgagag tttccgatgt ttaatttcga gcgtatcgat atattataac 360

cctgaatcgt accticcgtgt gacaagttat gacca 395

<210> 15728
<211> 376
<212> DNA
<213> Glycine max

<400> 15728

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cataaaaaag gtgtgagacc atgagagctc taaaataata tctgaatata cttacacgta 120

cattatatat attagttctt ttttcattgt catacatttt atattatatt atacacgggg 180

tttaaacttt atgctaaatc aacttctatt attaatttta caaatccata aaattggcag 240

aaaagctacg tcatctagtt aacgaagttt tttatgcttc aaggaatttg aaattcacta 300

tatagacagg cctgatcaat tgtcattagt tatttaatgt cacgtaaaca aattaattaa 360

ttaaacaaaa cgaatg 376

<210> 15729
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15729

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[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

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<210> 15730
<211> 325
<212> DNA
<213> Glycine max

<400> 15730

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cttagtgcga aaggtatgac catctgaatc actcaacaac ttgcgatgtt gattctcgag 180

cgtctctata tgagaatcgc ctgaatcaga ggtgcgagct aaaagtcatg accatttaaa 240

ttgctcaaga gcttccggtg tcaatctcaa gcggatcggt gtgcgacgcg catgaatcgg 300

agatccgtgt gaatagatat gacca 325

<210> 15731
<211> 280
<212> DNA
<213> Glycine max

<400> 15731

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taattatgag cgtctcgata tattatacgc ctgaatcgaa cctcagtgta aaaagtatga 120

ccatttgaat tctttagaca tacgatgtca ttttgagcgt tctatatgtg atgaccttat 180

cagacctcct gtgaaaggat gacattgaat tcttcgagagc ttcgttgtca atttcagcgc 240

tcacatttat gccccgatcg acatctggga aagtatgaca 280

<210> 15732
<211> 382
<212> DNA
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[illegible]

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gtattgacac gctcgacatt gaacaacgga agctctcgag atattcaaat ggtcataact 180

ttaactcgg aagtcngatt gagacgcata atatatcgag acgctcgaaa ttgaacaatg 240

gaagctcttg agcaattcca atggtcataa cttataactc ggatggccga ttcaagcgca 300

taatatctcg agacgttcga cattgaacaa tggaagctct tgagcaattc aaatgggcat 360

aactcttcac tcggatgtac ga 382

<210> 15733
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15733

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tttagggctc cataatatag gtaaggtacc ctagaaatgt aacatttttc agtccttgta 120

gtttagggca cctagactag ttttttgtat taggggtagt tttataattt cacatgcatt 180

aagtgaatat ttgatgtgtg tggttgtaaa taaatntaat tgaattggga gaagcccaat 240

ccaaattataa tttagagggg gaggtgagca tttgcttgta caccccattg cacatcatat 300

agcacacttt gtgtgtgcct tcat 324

<210> 15734
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15734

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gaangccccc cagaaccatt aactggaaac caagttcatg atcgcgtaaa ggacattgta 120

accgtgtttg ggaagtccca gaagaagaca tcatctccca acaacatgtg gaagaaacgc 180

<211> 11735
<211> 303
<212> DNA
<213> Glycine max

<400> 15735

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gttgactcgt aagaatgaga agtctttctg gaatgagaag cgtgatcaaa gtttccaaga 120

gttgaagagg cggttgacga cagctccagt gttaattttg cccgaccctt atagaacatt 180

cgaagtgtat tgctatgcaa gcgggcaaag cttgcggtgt gtgttgatgc aagatggaag 240

agtactggct tatgcttctc gtcaattacg tcctcatgaa tttaactatc cgactcatga 300

ctt 303

<210> 15736
<211> 329
<212> DNA
<213> Glycine max

<400> 15736

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ggcaaccacg ccaggatcga cagcattccc gtgcagatgg gcacggccac ggccggcagc 120

acgcccttcg agggccggct gcagctgatc gacaaccagg tcgatgcccg aagcggcacg 180

gtgcgcgtgc gcgccgtctt cgacaacaag gatggcgccc tcatgcccgg ccagttcgcc 240

cgcatccgca tgggccaggc gcgcgacagc agcatgctgc tggtcagcga gcgcgccatc 300

tgcacggacc aaagcaagaa gtacgtgat 329

<210> 15737
<211> 394

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15737

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aatgatactc agaagtcttt cccttgtaag actatatctt tagaatggaa ttataaacac 360

tacccataat ataggtcaag ttacaacttg aaca 394

<210> 15738
<211> 363
<212> DNA
<213> Glycine max

<400> 15738

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ccatcttgta tgttaagata gttgattctt atgctaatta ctttataagt tatatcaaca 180

atgatgatat aatttaataa cggtataaaa ctatttttata tatgaggatc aactcattac 240

attaacaata aaattaccaa gagaatcatg tcttattcta atacgaatat tttataattg 300

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att 363

<210> 15739
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15739

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aacagaagct ctgagcatat tcaaacgaca ttaactnntt tctcggatgt acgattgtgt 120

ccettagtat atctagacgc tcgcaattga aaacggaagc tcgtagcaaa ttcaaacgac 180

aatacacttt aactcagatg tctgactgag tcctgtagta tatcgagacg ctcgatattg 240

aaacataagg tctgagcaaa ttcaaacgac tataacttct tactcggatg tcrgattgag 300

<210> 15740
<211> 461
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15740

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gttgcaactg acacagtaac caagattgca ttttttttacc cccttcttcc ttctccagca 120

tcatcaaaca tcacaacaca aacctcaaat gcctactacc accaccactt tttcttgctt 180

cctcttcacc ttcctcatca ccacttccac catggcttct atggttggag ctgtgggggt 240

gaactggggc accatggctt ctcacccact tccacccccac aaggtggtga agctcttgaa 300

gtccaacagc atcaacaaag tcaagctctt tgatgccaac tctgatgttc ttcaggccct 360

ttctggctcc aacattgcta gtactgtggg tgttcccaac actttgctca gaagcttgaa 420

ctcttctaag aaagctgctg atagctgggt ccatgataat g 461

<210> 15741
<211> 382
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15741

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atatcttaag aaggcggggc gcgaatgaag atatgaccaa ctatttaccc taatcaaaaa 120

tctatattac tgctcaacca acgtatgaat tcccttaatg acaatcttct taaatattaa 180

ttcanatgag acactttgaa tatgaatata atccactcat agataacgga gaataacgga 240

agagaatatg cgcactcagt tctatactgt ttcggccaca cccgtgtgcc tacgtacagt 300

cccactaaa cccgctagag agttccacta tcttagaaat gctttgtaca agttctaaac 360

acacaaagac aatccttcct tt 382

<400> 15742

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atctaacaaa aaatcctatc atgcattcta ggactaaaca catagaaata atgcatcatt 120

ttcttagaga tcatgtgtta aaaggtgact gctacattga gttcatagat agtgagcatt 180

aacttgcaga cattttcact aaaccacttg ctagagatag gttctgtttc attagaaatg 240

taataagcat attagatgct tccaacataa aataacttcc tatttgcata atgtgtgatg 300

cacattgcta tttgagacga tgactaattt attctggagt ctctactcta atcaattacc 360

aagtagttta atcgattact tctcttct 387

<210> 15743
<211> 164
<212> DNA
<213> Glycine max

<400> 15743

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gaaacctctg aatatcaaag agttgagtct aaacttcaag agagaaaact gtgtatcaag 120

aqaaataggag tgccatggca gaaattttgaa acagcaggtc actg 164

<210> 15744
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15744

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gttggcttgt ttagcatagc ttttattttt cctctcaatt tgatctttga ctcttacatg 120

aagcttcttc acatagtccg cctttgcttg accttcttta tgcttaaaaa cagaaacatt 180

angcataggc aaaagatcaa gaggagttag tgggttagaa ccataaacaa cttcaaaatc 240

[illegible]

<210> 15744
<211> 189
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15745

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aggctgtcgag aaattcaaat ggtcataact tatgacacgg aagtccgatt caggagcata 120

atatatcgag aagcttgaaa ttgaacaaca gaagctctcg agaaattcan atggtcataa 180

cttgtcaca 189

<210> 15746
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15746

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gatggaactc tntgccgata ttgccccaaa aaccgccgag aatttcaggt atctatgctt 120

ctagtgttaa agcgtttctt cttttagtgc tagttagagt gccccttggc tttaagcatt 180

gctatcaact tgtgattgaa cttctacgaa aaatcactan ttnttgtttt agtctacaga 240

agtttactca ttttaattgc aaaagtgcag attta 275

<210> 15747
<211> 350
<212> DNA
<213> Glycine max

<400> 15747

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ttatttgttc ttgatttaag cagcaataaa ttgtcaagga agattcctat gtccatgggc 120

gcctttgtta atatggaagc cttggttttt aaaaacaatg gtttaatggg tgagttgcct 180

[illegible]

<210> 15748
<211> 251
<212> DNA
<213> Glycine max

<400> 15748

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tgcgcttcca tgcagcaagc tagagcaatt gatcggcctg aagcttatgc tgcagatata 120

tacgatagac ctcctcacct gggagcaaat aaaccacagc atgacaatta tgacctctgc 180

agcggcagat ataaccctgg atggaagaga tagcctaacc ttacatggtt catcctcaa 240

caacaacaac a 251

<210> 15749
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15749

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actcccagat tgttggaaat cagtaaagca attactgttt cttgatttaa gcagcaataa 120

attgtcaggg aagattccta tgtccatggg cgcccttgtt aatatggaag ccttggtttt 180

aagaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaatgcag cagtttattt 240

atgctggacc tgagtgaaaa tatgttgtcn ggtccaatac catcatggat tggacanagt 300

atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcangata tctacccatt 360

catctcntgt attt 374

<210> 15750
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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catatnaggct ctctccactg agttgtctaa tacctgagat atccttcccg atggttgtgg 300

tcccngaagc aagaaatttt ttttctaaga atactctctt aaggtcattc caantcgtga 360

n 361

<210> 15751
<211> 267
<212> DNA
<213> Glycine max

<400> 15751

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agagggaatg atcgtgttcc tatacaaaac cgaattgatg gtattaaact caacattcct 120

ccatttatag gaaagaatga tccggaggcc tacttggagt gtgagatgaa aatagagcat 180

gtcttctcat gcaacaacta tgatgaggac cacaatgtga agcttgccgc cacggagatt 240

tcccactata ctcttgtgtg gggaaca 267

<210> 15752
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15752

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gaggaaaagt gattggagat gccacttcaa ggagaagaga gtcaagaaca agttcaccac 120

cataggaagc catggataag agcttgaagg ttggagaaga tgagtggagg gagagggaga 180

gaatgggcac gaaatttatg cctcgaatga ggtctaaaat ttgaagtgta atttctcana 240

tgatcaaagt agaaataatg cacacaacag gcctctattt atagcctaag tgtcacatga 300

aattggaggg aaatttgaat tttattcaaa tttcacttga atttaaattt gtggagctaa 360

<210> 15753
<211> 238
<212> DNA
<213> Glycine max

<400> 15753

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gtgagtataa tgttagttcc acctttcatg tctctaactt atctcttttt gatgcagatg 120

gagaatccga tttgggacca atcctttcca agagggagag aatgatgacg aaatgagcaa 180

gagcaagggc aaggatccac ttgaaagact tggacgacct atgacaaggg ttagagcaag 240

gaaagccaag gaagctcttc aacaagtgtt ggccatacta tttgaata 288

<210> 15754
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15754

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gttgttggag gatcttttga gagcgtgtgt cttagagcaa aagggaagtt gggagagttt 120

tctgccattg atagagttca cttataacaa tagttttcac tctacgattg gcatggctcc 180

ctatgaagct ctgtatggta gaaggtgtag gacacctgtc atacctaat ttcgttcggg 240

gaccagctgt ttgttgggat gcgaccctcg tttgaccact tcgaggtact tggcacccat 300

cgttaggcaa ttcgtgaagt tctgtgacat gccggaagtc aaaagatagc atntgtgcac 360

aattcgtgaa gttccgtgat gtgccggaag tc 392

<210> 15755
<211> 397
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15755

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[illegible] 4

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ttgccctat ttcgacgaga ttgacccttc catagtcaat gttcttctca tcactcactt 360

tcacttggat catgctgctt ccttgcccta ttttctc 397

<210> 15756
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15756

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aanacactga attggtgaga cacaaagtta caagatttgc taccactttc ttaactntgc 120

aaagattgca taagcaaaag gccaatctta gaaggatgtt tacttcggat gaatggttga 180

agtctaagga agctaaagag tctaagggga agcaagcaac aaatgttgtt cttatgccat 240

catttggaa tgatgttgtc tacattttaa aggctatang gcctcttgta agtgtgttga 300

ggttggtgga ataatgaaaa aacctgcaat gggtttcatt tatgaagcaa tgga 354

<210> 15757
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15757

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cctcttcctc ggccgccact accgtcgcgc cttccacctg ctcaacgcat ccaaaatcgt 180

cctcaccgac ctccgattcc gctacctcgc cgccaagtgc ctcgtatttct tctggttcct 240

tctctctttt ttcatttgat tattgattaa aaccattcat tgaaaataca catcaatttt 300

aataatggga tgtctttttc tatttttatt tanacgagtt gaaacgtgat tcttgaatga 360

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<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15758

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trgttcaatt tcgagcgtct cgatatatta tgcgcctgaa tcggacttcc gtgtgacaag 180

ttatgaccat ttngaattgt cgagagcatc cgttgttaaa tttcgagtat ctcgatatat 240

tatgcgcctg aatcggacat ccgtgtgaca agttatggcc atatgaattt ctcgagagca 300

ttcgttgttc aatttcgagc gtctcgatat attctgcgcc ttaatcggac ttccgggcga 360

ca 362

<210> 15759
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15759

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acctccaatc tttaatggag agggttacca gtactggaaa accgaatgc aaatttttcat 120

tgaggcaata gacttaaaca tttgggaagc catagaaata ggaccttata tacccaccac 180

agtagaaaga accataatag attgaagcac aacaagtgga agcacaacaa tagaataaac 240

tagagataga tggtctaaag aagatagaag acgagtacaa tataatttaa aagccaaaaa 300

cataattaca tctgccctgn gaatggatga atattntang gtttcaaatt gtaagagtgc 360

taaggaaatg tgggacactc tacaagtaac acatgaaggc acaacatatg ttaaaagatc 420

t 421

<210> 15760
<211> 297

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ttttaactc ggaagtccga ttgaggcaca taatatattg agacgctcga aatcgaacaa 180

tggaagctct ccagaaattc aaatggtcat aactatgaac tcggaggtcg gactgagact 240

ctattatat tgtgacgctc gaaattgaac aatggatgct cttgagcaca ttccaat 297

<210> 15761
<211> 302
<212> DNA
<213> Glycine max

<400> 15761

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acaaagatga gctgcccggt gagtataatg tgagtttcac cttcaatgtc tctgatatat 120

ctcttttga tgcatatgga gaagacgatt agaggacaaa tccttctcaa tagggacaga 180

atgatgatga catgatcaag agccatggca cagatccact tgaatgactt ggagagccta 240

tgacaacggc tagagcaagg atagccaatg aagctgttca cgaatgttga catactattt 300

ga 302

<210> 15762
<211> 312
<212> DNA
<213> Glycine max

<400> 15762

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gacaataaca tcgtttctaa cactaaattg ctgggagttt gaagccatct tctcaattaa 120

atttctggct tcagcagggg tcatgtctcc aagtgctcca ccactagcag catctatcat 180

actttctctcc atgttactga gtccttcata aaaatattgg agaagaagct actcagaaat 240

ctgggggtga gggcaactgg cacatagttt tttaaatctc tcccagtatt catataggtt 300

ttctccactg ag 312

<223> unsure at all n locations
<400> 15763

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tgccagaact gtttagtctc aagatggcag aggaatcatt tattgggttg ccaccgtttg 180

taacccaaac aacatttttgt gacggattat tcttgaacca aatcccccagg tagcttttgt 240

ttggaagtcc aagattgaag aaaccaagct canagattcc cctttgggaa accatggtct 300

ttccaaaact ganggattgg gactgtgaaa tggatgatgt g 341

<210> 15764
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15764

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aaaaggactcc attgatgaag aagatccaag gcctaccagc tcaacatgga gctacatcat 180

gtggtatcag agcatcttca tctaggtgat gatcttttgc ttcctctatc tntntgcttg 240

gtcaattcac tataattcct tggtcttcat cttcttctcc atgtatctcc tccattgctt 300

gtggcttggc tctgtntaga gtagattcaa aaaaaaataa accgattcaa tcttagatct 360

acacttgctc ttgcatttct atggttcaca tntaatagat ctactcttga atcatgtttt 420

a 421

<210> 15765
<211> 417
<212> DNA
<213> Glycine max

<400> 15765

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tcctttaaga gcttctgcac aaccatgatg aatcaagatt gcttccatct tgattctcat 360

aacccacagt catttttccct gaaaacttct ctatatcgta ctttgttgtt ccatctt 417

<210> 15766
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15766

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tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattntggg gtccaaaaga 360

ctctagaaac attacaagaa catttttatn ggcctcatat 400

<210> 15767
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15767

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ttcctttgc aggtggagct gatattgagg aagaggaact aacagatttg aggtcaaatc 180

ctttcaagg gtaaggggat gatggaatcc tccctaggaa gggaccaatc actagaacaa 240

[illegible]

[illegible]

<210> 15768
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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atcaccagcc tacaataaaa caacagtttc acatgacaca caaacatctt tcatttcgac 180

cttcatcaga aatgaaaatg cctaccacaa tcaaaataga taatggaaca tctgaattac 240

cttaaccttg tgtgcccgtc ttgggaacac aaccaatttg gccttgtatg ttttcagcct 300

ctgcacatta gcttgcagac tttccaaaga acggttcttg cgacgatgat caacagcaat 360

acctatggtt ggtgcaagct ttttgggaat ccctgctgcc tatggcataa tatanaaaat 420

acataata 428

<210> 15769
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15769

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tttattggct atgctactta gtcaaaggca tacagactgt ataacccact aactggcaag 180

ataattgtca atagaaatgt tgtatttgat gaagatgcac gctgggtttg gaaggaatgt 240

gaaatcagta aaagtgttta tcagaaatca gtcagttntg atggttcata ggaggtctca 300

aatgtgccag aaaatgatca cactccaagc cctcattcaa cgccatcaag ccagggatca 360

ttaac 365

<220> Glycine max

<223> unsure at all n locations
<400> 15770

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tatctttggc aaatttactt acacttgatg gatttttagt gattgaggga gcatgtaaca 180

agtaatgaag ataaagagga aaactaggat tagtagggga cttataagaa ggagaaccag 240

aaccaagaat ttttaaacct tcaccattac caatataaat ctgatctcat ccatcanagt 300

gaccaagctg atgaatattn tgtggttctc cagtcacatg gaatgaagct cccgagtcan 360

ggatccaggt tgaattagca ttgtccatga g 391

<210> 15771
<211> 416
<212> DNA
<213> Glycine max

<400> 15771

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ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaattgac 180

aacaacttct cctcttgttc atcagcaagg gaggcagata taatcactgg aaaactcttg 240

ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tggtgtggtc 300

cgctggacag tggtagaagg agatggtttc tragccttta cctcataaag aaagtcagag 360

gtatgtgtac ttcctgaaac atggttagtc ctatctgact ctataaaaac aatctc 416

<210> 15772

<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15772

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aaccgatcca tctcaagacc ttac 324

<210> 15773
<211> 375
<212> DNA
<213> Glycine max

<400> 15773

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ggggtaccct ccctacatta tggagcacta atacaaggc ccaaaaaaat aatgaaaccc 180

taatctaata tatacaaaga taagtgggat catacttagc ccataagccc aaaatctatc 240

ctaacgctca tgagaaccct atggtcttct cctgcatctc tagcccaatc ttcttggagt 300

cttctattca atgcccttgg agggtaggat agcatcatta ggggtgccta aaagcaagat 360

attcactatg gtact 375

<210> 15774
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15774

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gagatgtttg gttttctgcc attgaacaat tcatatggag ttntctttaa aatgggtctt 180

attaaagccc tatttaaaat gtagcatgca gtgttaacgg cttcagccca aaagtatttt 240

ggaagaggag tatcatttaa taaagttcta gcaatctctt ccaaagatct atttttcctt 300

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<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15775

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caaattcttg tatgctggan agtcattaat ggtagaaaat aacattgcac acaatgtgaa 180

tgtctcattt cgatacccat caaacacaac aacttccttg tcctacaact ctgtcaaggg 240

ttcaatcaaa ggactgagat aaacatcata gacaacatca attattttta cttcatgcac 300

taccaaggag gtaagttgta aattactagc anaacaagtc acaaactatg ctgagttctt 360

anatngtcat agggattcat tccatcact 389

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<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15776

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gagaaattga aatgatcata acttatgaca cggaagtcca attcaggcgc ataatatatc 180

aagacgctcg aaattgcaca acggaagctc ttcagaaatt caaattgtca taactcttca 240

aacggaagtc agattaaggt gcataatata tcgagaagct tgaaattgaa caacgtaagc 300

tctcaagata ttcaaatggt cataactgtt cacaacggag tccgattctg acgcataata 360

taccgagacg ctcgaaattg aacaacggaa gc 392

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atcggacatc tgagttaaaa gttatgacca tttgaatttc tcaacagctt ccgttgccaa 180

attntgagca tctcgatatg tgattcgcat gaatcagaca tccatgtgaa aaggtatgac 240

catctgaatt tctcaagagc ttccgttgtt caattatgag cgtcacgata tgtgattcgc 300

cgaatcgga cagtcgtggt gaaagttatg a 331

<210> 15778
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15778

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cgttttgaaaa gttttgacca tttgaatctc tcgagagctt ccgttgttct atttcgaggg 180

tctcgatata ttatgcgcct gaatcggact tccgtgtgat aagttatgac catttgaatc 240

tctcgagagc ttccgttatg caatttcaag cttctggatc tattatgcac ccgaatcaga 300

cttccatttg aaaagttatg accatgtgaa tctctcgaga gctttcgtcg ttcaattttg 360

agcgtctcgg tatattatgc gcctgaatcg gacttccgtg tgacaagtac tgacca 416

<210> 15779
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15779

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cttcagaaga aagacattag tagcctttgt gcgtaggaga atatcccaga aaatgcattc 360

ttgagactga attggagttt attcttcttg tangagagga anacaactag gaagtctatt 420

aattaaatag acact 435

<210> 15780
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15780

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ggttaaccaa ggcatctatt ttaccttcaa gcttcttagt ctcggctgat gaagatgaat 180

tcgtggctac ttcatgcaat cctctaatga caatagcatc actttctggcc gtggtcctgg 240

aagcaaggaa atttttttct aagaatactc tcttgaggtc atcccanctc gtgatagacc 300

gtggagcaag gtaataaagc cagtcctttg ccactccctc taaagaatga ggaaaagcct 360

ttagaaatat gtgatcctcc tgcacatcta ggggtttcat ggtggagcag acaatatgga 420

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<210> 15781
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15781

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ctggtttcag caggggtcat gtctccaagg gctccaccac tagcagcatc tatcatactt 180

ctcttcatgt tactgagtcc ttcatagaaa tattggagga caagctgctc ataaatctgg 240

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<210> 15782
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15782

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atttgttgat aaatatatgt ctcaatctac cattccacca cctatatgga agcacattgt 180

gtcattgtgt gtatgtttta aggtgaagct atataaagtt atatgatatt acatcattta 240

tattataatt gaaaaaattt atactatttt ttaaatgaga aataaattct cttaaaaaat 300

gaaaactaaa tataaattat cgtatgagat ttttcttcta taaatagtgg attggtatta 360

cttatatttt gaaacanata ttcagaataa caaacaactt ctacaaatca atgtttttca 420

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<210> 15783
<211> 447
<212> DNA
<213> Glycine max

<400> 15783

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atatccagaa aagggacaac aatcttgtgg gcagtgtatt taggggttaa cacaccaaag 180

tgggctcttt ataatagcga tctacaacca ccagaatagc cgtgaaatcg ttggaagggg 240

gtaagccgat gatgaagtcc acgctgaggt cttcccatat tgacgacaaa atgggaagag 300

gttgcaaaag acccgtgggc ttcttggact cgtatttagt ttgttggaga gtggaacact 360

<211> 463
<212> DNA
<213> Glycine max

<400> 15784

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gcccaagtat tcaatggtgt gttgagcaaa atgacacttc tttttgttgg ctactaaccc 300

atgtactgct aacagttgca aaacagtttg caaatgctcc aaatgggctt cccaatcaac 360

actataaact agtatatcat caaagaaaac taatacgcat ttcctaagca aggggttaaa 420

gacatcattc atgaggctct gaaatgtcga gggtgcattc att 463

<210> 15785
<211> 408
<212> DNA
<213> Glycine max

<400> 15785

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ctagccccca agggcattgg atagaagact ccaagaagat tgggccagag atgcaggaga 240

aggcccaagg gttttcaagg gccttatgat agatatgggg cccttgggct cagtagatct 300

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<210> 15786
<211> 446
<212> DNA
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aattttctcat aggcaatcca tatcgattag ctcgacacaa agttgaagct tttctcgtgc 240

tacaactta ctcatcatat tcgtaggatt tttatcaatg tgaatctttt ccaacttgaa 300

gtgttgttct tccatttctc gttgcaacaa atggtatctt acatcaatgt gatttgtgag 360

agagtggtac atcacattct tacttaaatc caaagcactt tgactntcat aatgaatcat 420

gtaactntcc tgcttcattc ccaact 446

<210> 15787
<211> 428
<212> DNA
<213> Glycine max

<400> 15787

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tctcatgcaa cttctttaca aactctgacc tagattcccc ttctttatgt ataaaagaag 180

tgtcaagcgg gaggggaatg aggtctaagg gtgttaaggg attgaaccca tagacaacct 240

caaaagggga tcgcttggtg gttctatgaa ccccccctatt gtatgcaaat tctacatgag 300

caagatactc atcccaagac ttatggttgc ctttagaag agcccttaga agagtggata 360

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gaagctta 428

<210> 15788
<211> 418

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15788

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ataaagagat tcattgcatt cattactaca ttcgattcat tatatgagca cattcactat 360

gcttgatcgn cactatgagt acaaaattat cagcgtatac attttcatta ttttgaat 418

<210> 15789
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15789

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ttcaagaaaa tgtgtgcaag ttgtccccac caccagattt ctgagcaact ccttcttcaa 420

ta 422

<210> 15790
<211> 367
<212> DNA
<213> Glycine max

<400> 15790

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gctacaaaca tttataatag atcccctcag cagcaaaatc aacaacagta gaataattat 180

gatctttcaa gcaacagata caatccaggt tggaggaatc atccaaatct aagatgggaa 240

<210> 15791
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15791

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gagctccatc ctctaaaagt atcctatgca tgcaggtaga tgggctaata ctatgaatgt 180

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aagcatactt gaggtttgct gagtagggct tcaactctga tgcgggtggt ggatgaatag 360

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<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15792

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gcagagctat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120

cctcagatgg tccagccctc agcaacaaca acaacagcct gctccttact tccgaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acaaacaaca gttgaggccc ctccacaacc ttctctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc agcaagagac cagagcctnc attcatagcg taaccaatca 360

gatggacaa ttagctaccc aattgaatca acaacagtcc cagaatttct 409

<400> 15793

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atccgttgtt catttcgag cgtctctata tgtgatgaac cttaatcgga cctccgtgtg 180

aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttcg agcgtctcga 240

catattatgc gcccgaatcg gacatccgtg ggaaaagcta tgaccatttg aatttctcga 300

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<210> 15794
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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tgttctctat tttaagtttt tttgctatat cattgtcatc aaatatctat caatgttatt 360

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<210> 15795

<211> 405
<212> DNA
<213> Glycine max

<223> ensure at all n locations
<400> 15795

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<400> 15796

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atggagattt ttcctttgcc gcaatctgtt ctggaccgaa tcaacgcttc gtgccgtaat 360

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gttctccgaa aa 432

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<211> 322
<212> DNA
<213> Glycine max

<400> 15797

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tatatcccct tttgtatttg ataacatatg gaaattgctc tacgtactct acccattttg 180

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<213>	Glycine max

<223>	unsure at all n locations
<400>	15798

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<211>	422
<212>	DNA
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<223>	unsure at all n locations
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aagacaggca tatactggat gacgttctta ttggaatgag cttgttgagg aagcaagagt 180

aagtggcatg gaaatgatta tgttcaaggt tgatttccag aaggcatatg actcgatgga 240

tcgtgattgt cttatgatga agacggaaga tatgggtttt cttaagacat ggcatgtatg 300

aattcaagaa tgcctgtaaa ctgcaacaat ttttggtata ctaaatggga gtccatctaa 360

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ttgttatttt tatataacta aattcataat aataaaaaca ttaatatgta aatttatatta 240

caattaaagt tcataatana taaatatcta gaacatataa attatatgtt agatntacaa 300

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<210> 15801
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15801

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atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg actttcacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

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aagaacttgg cgttcgtgtc caatgat 447

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gcttggtgca ttagatgagc ccaaaagcat cactatccat tcatacaaac cagacttggt 360

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<211> 395
<212> DNA
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<223> unsure at all n locations
<400> 15803

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacacccnc tataatagct 120

aagctcaccc ccatgaaaaa atacatgaaa taaaaaaaaa tccctactac aaaggctact 180

caaaatgcct cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg 240

cccaaacgaa ggataaacct attctaatat ttacaaagat aagtgggctc atacttagcc 300

catgggctng aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360

ggcacaatct acccggagtc ttctatccaa tgcct 395

<210> 15804
<211> 293
<212> DNA
<213> Glycine max

<400> 15804

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aagaatgtgg catttacctg tggtgaaaaa caagagcaag cctttgcttt gctcatagaa 120

aagctgacta atgcacctgt tctagctctt cctgacttgt ctaaaacttt tgagctataa 180

tgtgatgcct ctggagtggg agttggagct gtattgttac aacgtgggca ccatattgct 240

tattgtaatg aaagacttca tagtgccacc ctcaactacc ccacctatga taa 293

<223> Unsure at all n locations
<400> 15805

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ataatgaata agaaaggagg agacgatgga atgatggtgt tcctagacaa aaccgaattg 120

atggtattaa actcaacatt cctccattta aaggaaagaa tgatccggag gccnacttgg 180

agtgngagac gaanatagag catgtttttt catgcaacaa ctatgaggag gaccataagg 240

tgaagctcgc cgccacggag ttttccgact atgctcttgt gtggtggaac aagctacaaa 300

atgagagagc aagatatgaa tagccaatgg ttgatacatg gacagagatg acaaagatca 360

tgangaagcg gtatgtgccg gctagttact caatggactt gaaattcaag cttca 415

<210> 15806
<211> 359
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 15806

agcttatgtc tggtctagta cagatntgag catatataat actcctaaca attgatgcat 60

actaaattgc ttccatttgt tntcgttcca tatcatttct aggacattgt gcgagactaa 120

atttgtctcc tttctgaatt ggaacgggtg atgctgagca cttttccatc ctaaacctct 180

ctagtanttt attgatatat gctttctaag acaagcctaa caatccttgt gatctatttc 240

agaataattc tatccctatc acatagcttg cctcacccat attcttcatt ttatagttac 300

tagaaagaaa cttcttagtg tctgaaaaaa ctatatcatt agttgcagca ttatcatca 359

<210> 15807
<211> 366

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15807

[illegible]

[illegible]

[illegible]

[illegible]ag atgttgaaat tgatgaa at gctctggga [illegible]atgatga agaaaaagtg 240

gtgaagaacg ttcttatacc tgctcaacta cctcaagaag aagatgagga agaagaccca 300

ggtgaaccac cttcactctc caccacacaa caagatcaag aactatcatc acccgagtct 360

actcca 366

<210> 15808
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15808

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gtccatgaaa cttctctgtg tcacttgatg aatgagcccc acttaaaaag tttgaatatt 120

gaggtgaatt atctttctgg gtgtttttca agagagcaag ttcttgaagt acttggggtt 180

tatgtggaat cctctgtctg ggttatggac gctgctgcta taatggcaat tgcacttgcc 240

aatgganggg tgagttgagc aaattcaatc ttgggagttt ttaatcacta tggttgatgc 300

tccatagatt atcttttaat tttttttttat gcaggtgagc cccctgattg gcaagatttt 360

gttggatcat cacgttgctt ctcatcaatt cactatc 397

<210> 15809
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15809

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acatgcacag tggccaagga tgcatgggag atcctgaaaa ccactcatga aggaacctcc 120

aaagtgaaga tgtccagatt gcaactattg gctacaaaat tcgaaaatct gaagatgaag 180

gaggaagagt gtattcatga cttccacatg aacattcttg aaattgccaa tgcttgcact 240

[illegible]

[illegible]

<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15810

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tgccncacat tatttccatg acacaaatgc aaaaatgatg atttggaaac tttatgcaaa 120

antggtcatg catgcatcta tgcggacact caaatgtcaa attnttatgg tcatgtgatg 180

ctagggccca ggattcattt cctctatttt atatcaaccc aatgtttcca aaatatgttc 240

ttttatccat ttgtgcattc atccaagtcc atttcgggcg tccgggaaaa tttcacagca 300

ttcacgcttc aggtttacac acattntttt tcccanaaac tagctatgaa ttagcgaatt 360

ttcttcanag aaaagttgga agtcatctct tttcaaaagc atgtttggtt ttcagctaga 420

caaaactattt ttcttttttt tctcctttt tt 452

<210> 15811
<211> 113
<212> DNA
<213> Glycine max

<400> 15811

ccttgaatct tcttcatcaa tgatgttact tgcttcttga agatcaatga caacagaatg 60

gaagaatgagg aatggtgatc gaagacgtca cttcacatat aatatgagtc aag 113

<210> 15812
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15812

gtaaaactaa gctaaaaagt cttagatggg agtgggacca gnccatacat tcgttacctg 60

caatgaacaa cgaagcactc gagaaattca aatttcataa cttttcacac ggaagtccgt 120

[illegible]

[illegible]tctgattcca ggtgtagaat atatcgagac gcactanatt gaacnatgaa agctctcaa [illegible]

<210> 15813
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15813

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tggaaggcct ctcattntgt acatgacaat cttggacgag tcaatggggt gtatgctggg 120

gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180

gacctatgaa atgaattact cgttgctcga aagaacgtgt tgtgctttag tatgggcatc 240

ccatcgccta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300

ggttaagtac atctttgaaa agccagctct cacgggacga atcgcccggt ggcaagtcct 360

gctatcncga attgatatag tctacgtca 389

<210> 15814
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15814

tttccctttg agtntcttca ttaactcctc tattgttatt tgcttccctc tctcttttaa 60

tctgagtcat ctctatgtca tactgagtgt acacagagac aaactctcca attgccatgc 120

tacaagcccc agcaactaat cctgcaaaac cagcaagaag catggcactg atgtctntct 180

taacagctcc aacacccatc atcagtgaag caacagaaac caacccatca ttagctccta 240

acactgcagc tcgaagccac tgggcccttt gagagtaatc aataatgcta ctactct 297

<210> 15815
<211> 294
<212> DNA

gaagtctcac atcgtctgcc tcagtctttg tggtgccagt tatatatctg ttggaccaac 120

ttcacttaat gccaattgat ttaagatgaa atctaacatg atatcagagc ttatagtccg 180

tcttagtttt ctctaccatg tnggttgaaa aagcagcagt acctgagatt ntcatccagt 240

tgtttgtctc ttagaagagc acctacatac tactaatctc attaacagtt aatc 294

<210> 15816
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15816

tactcaagct aatcatgtga gtgtcgtagg acatctccca attcaatttа atttctctcc 60

caacacacat canatagtgc actgaatgca tgtgaaatta taaaactacc cctaatacaa 120

aactacccca naaataatga aaccctaatc taatatgtac aaagataagt gggctcatac 180

ttagcccatg ggccaaaatt ctaccctaat gccttcttca gcagctctag cccaatattc 240

ttggagtctt ctatacaata cccttggagg gaggattaca tcatatgtgg atattattct 300

tgatagttta atatgccaat gatggacaaa gtct 334

<210> 15817
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15817

tgtaatcgat nacacacata ctgtaatcga ttaccagagc atattttcag aanatattct 60

caacagtcac atctttntat gtggttcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacat gaatttgaca agagtttttn tgaacaaaaa ggtcttatcc tcttaaaaag 180

aanaatcgtt ttatcctctt acaaattcct tggccaaaac actrgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tctttttttc 300

<210> 14
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15818

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gctcgaaaac ctcatacatg tcaagtaacc gaaaacattt ttctggtgtg tgtgttccca 120

ttgccacggc ctcaccataa ttcaagagat gcagcatgaa actctgagaa atttcagara 180

agcagcattg ataaaaggat ccaaaatcac caaggatttg ctcacacaat cgtttctcac 240

tgacgaggta cacccgaaca atgatcttca tggctcgaat ccatttcttt atctcgttgt 300

tcaagcaatg ccactccagt tttatcacat cottcattct taacttt 347

<210> 15819
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15819

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agtgccgaag aaaaccggcc tcaccgtgat aaaaaatgag aaggaggagt tgatccctac 120

tcgggtgcag aacagttgga gagtctgcat cgactatatg aggctgaacc aggttaccaa 180

aaaggaccat tttccctgc cattcattga ccagatgctt gaacgcctgg caggtaaatc 240

tcactactgt ttccttaatg gtttntctgg ttatattaaa tcactattgc tcttgaggat 300

cangaanaaa ccatattc 318

<210> 15820
<211> 283

<212>	DNA
<213>	Glycine max

<400>	15820

tatgctgcag acatttacaa catacctcct caacctctgc agtttaatca accacagcag	60

<210>	15821
<211>	392
<212>	DNA
<213>	Glycine max

<220>	unsure at all n locations
<400>	15821

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tctggaaagt gtgcgagtgt tgtgcaaaga acaaaggana gggattcaag agatggcaaa	120

tagattgttg gcacaaaact atggagttgt gtgcaatttg aagcactaag agaaacaagg	180

ttagcgagat gtccaactga tttatgaatg ctaaccaggt tctcgcatcc atcaagtatc	240

aatntntctta aattcatggc tctagacaca tcaggaaatt cagaaacctt atcacaaccg	300

gagatattca tgtaagtcaa atggtcaaac tgcaaaacat acataanatc agataatcaa	360

ttaacaacag tacatcaaaa tcatgtcaat ta	392

<210>	15822
<211>	284
<212>	DNA
<213>	Glycine max

<220>	unsure at all n locations
<400>	15822

ggatgcaact gtgatcttat acccatatca gctagatctt gacgggtatc aagccatcct	60

tcgtcttgcc ttgaatgtta aagagcgtcc caatcacact gtcancaaac attttctcca	120

catgcataac atcaatacaa tgtctaacgt caagatcaca ccagtacgga agatantaga	180

aatgaacctc ttcttcatat gcaacttgga ctttatcctt ctttgggct tcccaatacn	240

ctgttcaggt gtgaacccac tgatatacct gctcaccagt caac	284

<210> 15823
<211> 403
<212> DNA
<213> Glycine max

[illegible]

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tccgtgtttа gaccttcaat tctggttctc aattcagatg tgccctactt atcactccaa 240

ttccaggatt gacctcatc aaacttcaaa tctctactca acactagttt ctgagtttga 300

ggattaaaaa ccctgtatgc accagtagaa tggtaaccga gaaatatgaa gttctcactc 360

ttgtcatccc aattttctctt tattgcgtct ggaatatgct tat 403

<210> 15824
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15824

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tgtggtcaag atacaccact tgagtcatga aacccgttcc agtggagaca ataattgagg 120

ttccaagggt gttagacatc atggttgcat ggtangcaaa catctcactc atgtggttct 180

tcaacacttg accaatgtta ggtggcattt taccacttgg tatagtggct tttgtttgca 240

atgctactat gtgccttact tgcacaactt ttagtgggaa cttttcatta agctgttctc 300

tagacaacat tattccgtta gaaccttctt gaacaacaat tacctaaatt gatacctcta 360

ttctggttag agtcgggtga acaatcatgt tgtct 395

<210> 15825
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15825

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taaatggctc tggatgtggt atgaaataat tacactcatt cctttccaac catcatttac 120

gtcaataaac tttcacattt tgaaatttct caatttacag gctaggggca tgaattgctt 180

aacaagacga tgatgatgat gtctngttgg atgatagttt atgatggaaa 410

<210> 15826
<211> 379
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15826

agctntntgg ttattataaa acaatgggca atggttaaag aaagattgtg aaaaagaatt 60

ggttggaaga atatcatata tgtatattga atgtgtgcaa aattcatgct tttatagact 120

cttcatgtct ggtcaaagaa accattggaa gagtnatgac ttttgagaaa accatgttaa 180

gagttataac tcttaaactt ttcttcnaaa ctgttcactg gtaatcgatt accacaaagg 240

tgtaatcgat tacacaatgc attttatgaa nagttgtgac tcttcacaat tggatttgaa 300

ttccaaccgt cagaatcatt tgtaatcgat tactaatata nggtaatcaa ttagactatt 360

tgaanatcat tttggaatg 379

<210> 15827
<211> 289
<212> DNA
<213> Glycine max

<400> 15827

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acgagttcta tatccagagt aagaacaata tgtgttgggt gtggtgaagg aaaccactac 120

ttacggtatc aataatccca tcgtgttaca aaacacattt cccttgacat ctgaaaagcc 180

atcgttctca tgacattgtc ctactttgtg tggatttcct tgaagttgca catgctgctg 240

cagaaaagta tatgagaaaa gtagctgttg aatttgggat tcctctcta 289

<210> 15828
<211> 380
<212> DNA
<213> Glycine max

<400> 15828

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gaaacttntga acttctgttg gagttgtcgg ttgttgccac tccataaccg actccacttt 180

aattggatcc acagcaaccc catctttaga aatcacgtgc cctaagaact gcactttctc 240

taaccaaaat tcatatttcg acaatttggc gaacaatttc ctatcgctca ggatatgcaa 300

tacaattctc aagtgctttt catgctcctc cttattcctt gaatacacta ggatatcatc 360

aatgaacaca accatgaact 380

<210> 15829
<211> 325
<212> DNA
<213> Glycine max

<400> 15829

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tttcngatgg ctcttcccg ttctaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaatagtag tgtagattgc ttcagcccag aatgtgttag 180

gtagtccctt ctccttgagc atcgatctag ccatttccat aactgtgtga ttctttctct 240

cggacactct attttgttga cgagactatg cgactggtag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcatac tcacg 325

<210> 15830
<211> 419
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 15830

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tttaattata ttatttgtat ttctctcatt atttcacttc tcatatatga tccacacaaa 120

catataataa agattaaaga caagcttgaa agatgatctg ttttaagaaa tctggaaggt 180

[illegible] 214

[illegible] 414

<210> 15831
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15831

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ggnancatnc aacttgttca cgatgaggtt aatagcagtg ttggaggaac ccgtgatgat 120

tatatcatct acataaatga gattaagcag gcagcaacca tgttttgtga atacgagaag 180

agagggatca cacttggatt gttgaaaacc aaaggagatg agagtatttg tcaaactctc 240

ataccaagcc cttggggctt gttgtaaacc atatattgcc ttgtgaagtt tgcatacaag 300

agtggattca cccttgatta aagccttg 328

<210> 15832
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15832

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gagaaggagg aanggtgatt gaagacgtca cttcaaagag aatatgagtc aagaagaaac 120

tcaccacaat aggaagtcat ggataagagc tngaaggtan gagaagatga gtgaagggag 180

agggaaagaa gagcacgana tttatgcctc anatgaggtc taaacttttga agtataattc 240

tcaaatgatc aaagttgaaa aaaatgcaca cacaagacct ctatttatag cctaagtgtt 300

acacaaaatt agaggaaaaa ttgaatttct attcaaattt ca 342

<210> 15833
<211> 356
<212> DNA
<213> Glycine max

<400> 15833

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attcaatag tcataagttt tcacacggat gttcgaatca ggcttataat atatcgatac 180

tagcgaaaat aaacatcgaa aactctcgag atatcatatg gccataactt ttcacaccga 240

tgtccgattc gggcgcataa tatgtcgaga ggctcataat tgaacaacag aagctcttga 300

aaaattcaaa tggttataaa ctttcacacg ggtgttagat taatgcgcat cacata 356

<210> 15834
<211> 381
<212> DNA
<213> Glycine max

<400> 15834

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agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggttt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccaagt ggagcaacaa t 381

<210> 15835
<211> 338
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 15835

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tgtccgattc ggggaaataa tatatcgaga cgcacgatat tgaacaacgg aagctctcga 120

gaaaattgaa tggtcataac atttcactcg gatgttcgat ccggggacat aatttatcga 180

[illegible] 217

<210> 15836
<211> 387
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 15836

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aatttctcga gagctntggt tgttcaattt cgagtgtctc gatatattat gcacctgaat 120

cggacttccg tgtgacaagt tatgaccatt tgaatttcac gagagcattc gttgttcaat 180

ttcgagcatc tcgatatatt atgcgcctga atcggacttc cgtgtgacaa gttatgacca 240

tttgagtttc tcaagtgctt ccgttgttca atttcaagct tctcgatata ttatgcgcct 300

gaatcggact tccgtgtgac aagttatgac catttgaatt tctcgacagc atacgttgtt 360

caatttcgag cgtctcgata tattatg 387

<210> 15837
<211> 258
<212> DNA
<213> Glycine max

<400> 15837

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tctcgagagc cttcgttgtt caattacgag cgtcttgata tagtatgcgc cttaatcgga 120

cttccgtgtg ataagttatg accatttgaa tttgtcgaga gcttccgatt ttcaatttat 180

agcttctcga tatattatga acctgaatcg gactttcgtg tgacaagtta tgacctattg 240

gatacctaca tagcattc 258

<210> 15838
<211> 364
<212> DNA
<213> Glycine max

<400> 15838

[redacted]

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acaacagaca gttgatgctc ctgcgcaacc ttgcctcgaa gaactcgtga ggcaaatgac 300

tatgcacaac atgtatgttc gaacaagaga acagatgctc cattcatagc ttatctcgcc 360

agat 364

<210> 15839
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15839

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cagctaattt caatcattat gcatngtatt aattcagtcc aatctaatct attgtggaat 120

ggtcataggg ttgccccttt cttacctcaa tgtggcttga gacaaggaga tcccatgtct 180

ccgtatattg ttgcgacgtg tatggataag tcatctcatc taatccttta agctcttcat 240

gcaggtcaat ggaagcctat gagagctggt cgaaatggac cattcatctc acacttaatg 300

tttgtggatg atcctttact ctctggaaaa gcatcaataa gtcaaattaa atgtattcaa 360

catggcttga cgactctctg tgatatgtca tgacaa 396

<210> 15840
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15840

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agttctaata agatatgata acttattaaa taagcaattg attagttaat ctaacaacat 120

ctatgtattc tcatgaatta ttatctatct aaaaacattn tatttattat tcaaaacatt 180

actttcacaa aaatcaatgt ttgaacagaa gtttataaac acagaanatt ataaattaaa 240

[illegible]

[illegible]

tag 423

<210> 15841
<211> 288
<212> DNA
<213> Glycine max

<400> 15841

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acatatagag acgctcgata ttgaacaacc gaagctcttg agatattcaa atggtcatca 120

ctttacctc ggaggtacta ttcatgcgca tcacatatag agacgctcaa aatcatacag 180

cggaagctct cgagatattc aaatggacat aaattgtaac tcggaggtac gattcatgcg 240

catcacatat agagacgctc tgtattgaac agcggatgct ctcgagat 288

<210> 15842
<211> 261
<212> DNA
<213> Glycine max

<400> 15842

gtgatcacct tggcaatctg atgctcacaa tcatccatat ctatcactcc atcaagtggt 60

ctacccagat attagccgat cacatcatgg gagaatatat cacacttgcc tctgacaaga 120

cactctcgat catcatcact ctttctgtct gatatgtcag agggaatgct gacaatgaat 180

accctgacta ggccttcgta acagtcttcc agcttggtga ctgtcttcag tagaccagca 240

gacttgttga tgtccatgat c 261

<210> 15843
<211> 382

<212> DNA
<213> Glycine max

<400> 15843

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[illegible]

[illegible]

aatgtaaaaatt tatggtcgtt tgtattggct ccgagcttca acgttcattt tcgagcgtct 300

cgatatgtta cgggactcaa tcagacatcc gagaaaaatg ttattggtcg ttgcattggc 360

tcagatgttc tacactcaat tt 382

<210> 15844
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15844

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agctttagtc aaacagaata atccgaaaat gtcaaagaat tgggtgttga aaaagcataa 120

caagactttc tgtgattggt ttaaagatac aatctttgca gatgagaatg cttcagaaac 180

attaagaaag ctagcagatg ggcctaaaag aaatgttata acctggcaag gatatgacaa 240

aagtacaatg tataacagtg gggtcaccct aagggctgaa tcttaacact ttgcaaggta 300

ctaggggcat tgcacaggcc gaaaggcatc ctcctatang caaaagtgcc gaaggggcag 360

gtgaatgtgg tctttttcctg atcctcanga gcaatagtaa tatgcatata accagaaaaa 420

ccatcaagga aacagtagtg 440

<210> 15845
<211> 210
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15845

atctcgacat attgtgtgcc cgaatctgac catcgtgtga gaagttatga ccatngaat 60

ttctcgagag cttctaatgt ttagtttcga gcgactcgat atattataag catgaatcgg 120

acttagtgt aaaaagttat gaccattaga attctcaaga gcttccgttg nttnaatttg 180

agcgtcttga tatattataa gcctgaatcg 210

<223> unsure at all n locations
<400> 15846

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gttgaaaaac aagagcaagc ctttgctttg cttaaagaag agcttactaa ggcacctgtt 120

ctagctcttc ctaacttttc taaaacttt gagctaaaat gtgatgcctc tggagtggga 180

gttggagctg ttttgttgca aggtgggcac cctattgctt attttagtga anaacttcat 240

ggtgcgaccc ttaactaccc cacctatgat aaagagcttt atgccttaat aagagcactc 300

cgaacttggg aacattacct tgtttccaag gaatttgtca ttcatagtga tcaacaatca 360

cttaagttca ttagagggca aagcatgtta nacaaaaggc atgcaaaatg ggtagagtac 420

cta 423

<210> 15847
<211> 432
<212> DNA
<213> Glycine max

<400> 15847

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acatgtttgg ttctagtatg catgacaaga tttatagaca gattaatagc aattgtgttg 120

tcacatttca agggaatgcg atcaatgatt actctagagt ctccaagtta ttgtgtcatc 180

tagagacttt gagcgcaatg actttcagct gcaaaatatt ctgcttccgc ggtgaatagt 240

gctacacaag cttgtttctt gtcattccaa gatacaagag agctttctaa tagatggcat 300

gtcccacttg tgctttgtct atctagttat gatccttcta atagatgtta agcgaaattg 360

cttaagatta tcttgatacc tagtcacatg aaacactaag catttatatg gttgattgca 420

gtaagtaaaa at 432

<210> 15848
<211> 331
<212> DNA
<213> Glycine max

ttagttcgtt tctggaacac aagattggaa gctatttgta tggtggacta attatcacaa 120

taaagaatgg ctggttgaag gaatgaaact ctaaaatctt ggagaagata agtgagccac 180

tgaagctcgc atgttgtgga tgctaaagca cgacattcag cttcggaaaa actgcgagag 240

actgtggatt gtttctttga tttccaggag atgtgggagg tactgagata aacagtaaac 300

tagtgatgg agtgtctgga atcccgacac c 331

<210> 15849
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15849

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aatgcatacc acanacacct tcatgtagtt ctcgaagaac atagtaagcc tggtcttggt 120

caagacattn tgagtagagg tgaggagaaa cctctcctat atagtttgtc agtcactaag 180

gtataccaga catcttgcat tcttagttgt ctggcttttc ccttgtctat tgtgagtgtc 240

tcatgtttta agtactcgac tatctctttt ttccatctcg aagggccttc ctccacctgt 300

aagcattctt ttcccgagat gttgggttcg ggaaccaaat ggagtgtgaa tgttnttagt 360

taccaaggtt taggtcaagt tgcaagttaa gccaactcgt cggctttgtc attaacttct 420

tagcttatat gaatcaccta aacttcctca nactcttcct tg 462

<210> 15850
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15850

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gtttgatncc agtgccacct atttctttat atcctgtttg taagtagaaa aacttaagct 120

[illegible]

[illegible]

tcaaacatgt cttgttaaac tgttttgata aaagtgtggt gtttgatgat tctgtagtga 360

gtaaagatat gatgtttatc tctgccaaca aagttatgac atctntaaag gaagatgctc 420

aagtgtacat gattctgtct aacctggata tagagaacaa ggtttctatg tgtgaacttc 480

ctatt 485

<210> 15851
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15851

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tttgttgttg tctccataag tcacatgtcc actattcttt ggagaaatat gagtaaagtt 120

tggcgcatct cccgtcatgt gtttggagta gccgctatca atgtaccaac ttttgttcaa 180

tgaatccttc atgcatataa ccatattttt gatttaggta ccccaatttt cttgggtcct 240

tgaatgatag ttttgactag agatcctttt ggaacccata ccatttttcc aaagctacta 300

ctgattttcc taaaataaca tgttgatgca ttatgtgcat tcttaccaca ataaaagcat 360

gtcatgatag gagaactagt cttttgagta gatgacaaga aaattttata catct 415

<210> 15852
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15852

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aaaaaaaaga aacttataaa atttaatatg agtaatgtac aaatccaaaa ataattgata 120

aacaaaatca tattgaattc aagtagttaa aatacaaaga atataaaaaa aatgaacaaa 180

agagtgcata atattaaaaa atacatacaa agacaaggaa tgactttaat caggatgggt 240

atgatactta ttattattat taataatact tanatagacc agtttgtcaa gttaaca 477

<210> 15853
<211> 377
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 15853

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gaaagcagtc cttgacggtg agggaattca atgccctgta atcgacgcag aagcgccagg 120

ttccatcatg cttcctgacg aggaggaccg gagaagaaaa gggactgtta ctaagttgta 180

tcagtccttt ctgaagcatg gactcgacct gcaactcaat ctcctgcttt tggaagtgcg 240

gataccggta aggtcggaca tttactgngt tagactgagg tagaagatga atatggtggt 300

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caaggcctga atgggtg 377

<210> 15854
<211> 459
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 15854

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cggcacacaa atggtggtga gctgcgatat gaatctggca atataattca agcgtcccag 120

gaaacctcgg acttgcctct ctgtacggag ttctggcatc tcaaagatag ccttcacctt 180

ttcggggtct acctctatcc ctttctggct tacaatgaaa ccgattaatt tcccngattt 240

gaccccaaag gtacacttag cggngttcaa ccttaattga tatttcttaa gccttttcgaa 300

caacttccgc aggttgacaa ggtgttcttc ctcggattta gatttagcaa ttatgtcgtc 360

cacgtagacc tcgatctctt gatgcatcat atcatggaac aaagctacca tggcctgttg 420

<211>
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15855

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ctccacttaa gagccaccat antttggaat cccttgtcct gcatccacca atccatgatt 120

ntgaaaggct tangtcccca gtcaatgatt ntggatctca aaagaatagg gcagtggtct 180

gaanaattcc tatccaacac aaactgggtg gtatcaggcc attgaaccag cccaatttca 240

gataagaaaa acctgtccag cttactcatg gcacttccat taggtctgaa ccaagtgaac 300

attctgccaa tagatctaac ctcctctaag gccataagtg aaatccaaga gttgaattca 360

gcaatgctag aggagttgac cacattctga gatgaactca ctctctcatt ntgatgtcag 420

tggagaaagg tgatgaca 438

<210> 15856
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15856

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gtgaaaagtt attttcgtta gaatttgcta cgatcttcga ntttaaatat cgagcgtctc 120

gatattattac gggactcaat cggacttccg agtgaaatgt tattgtcgtt caaatttgct 180

acgagcttcg gttttaaatt tctagcgtct ggatatatta cgggactcaa tcggacttcc 240

gagtgaaatg ttattgtcgt tcgaattggc tatgagcttc aattttatat gtctagcgtc 300

tagatatatt acgggactca atcggacttc cgagtgatat gttattgtcg ctcgatttgc 360

tacgagactc ggtcttaatn tctatcgtct gatatttacg gactc 405

<210> 15857
<211> 423

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[illegible] 60

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ctcgcagcaa atgctaacga caataacatt tcactcggaa gtccgattga gtcccgtaat 240

atatcgagac gctcaaaatt tagaaccgaa gctcgcagca aatgctaacg acaataacat 300

ttcactcgga agtccgattg agtgccgtaa tatatcgaga cgctcgaaat ttaaaaccga 360

tgctcgcagc aaattcgaac gacaataaca tttcactcgg aagtctattg agtcgcgaat 420

ata 423

<210> 15858
<211> 237
<212> DNA
<213> Glycine max

<400> 15858

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ttaaaagtta ttgtcagttg aatttgctca tagcttcaac atttaatttc gagcgtctcg 120

atatattacg agactatatc agacatctga gtaaatagtt attgacgtct gaattcgctc 180

atagattcaa cattcacttt cgagcgtgtc gatatattac gggcctcaat cacacat 237

<210> 15859
<211> 438
<212> DNA
<213> Glycine max

<400> 15859

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aattattatg atctttacag caacagatac aatccaggtt ggaggaatca tccaaatttg 120

agatgggcaa gcctccacac aacacagcct gctctgcttt ccagaatgct gctggtccaa 180

gctagccata tgttcctact ccaatacagt cggagtcaca acaaatacta caagcaactg 240

[illegible] 300

[illegible] 360

aatctgaaaa tgtgaatg 418

<210> 15860
<211> 460
<212> DNA
<213> Glycine max

<400> 15860

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aagttgattg tttgaactaa caaactcggt agaaatctaa ttggacagta gctttccctc 120

ataaaatgac aatcaatttt tatgagctta gttctatcat gaaacacttg attataagca 180

atatgaaagt ttgtctggct atcacaatac aatttcattg gctaaattgc atagaattgt 240

agttcttgaa ggagatgttt gatccacacc gactcacatg tggttgtggc catggtccta 300

tattcagctc ttgcactaca ttgagcaaca ttaaactgtt tcttactctt cctagagata 360

agatctccac caatggagac actatcttgt gttaaagagt ctatctatat gagaacctgt 420

gcaatctata tcacaatacc caaagaattg tgcatctcat 460

<210> 15861
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15861

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tatgtatata tgattntgat aatgtcaaaa gaagaatcaa acaaggctca ttntgcttca 120

agatttaatac aagattgttt caacaaacaa agccttaatt caagattttt tcaagatcaa 180

gccttgcctc acaatgaaag gtttcaagtc attcaaggca catgtaattg attaccaata 240

catgtaatcg attaccaatg gtttgaaagt gtgtaatcga ttacacatca tatgtaatcg 300

attaccagag actttgaatg ttgggaaatt caaatttaaa tgaagggtca caactgttca 360

agaaaaacaa ctgtgtaatt gattacacta attctgtaat cgataccaga gaggaattta 420

<211> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15862

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tcaccgtgat caaaaatgag aaggaggagt tgattcctac tcgggtgcag aacagttgga 120

gggtctgcat cgactataag acgctgaacc atgttaccaa ataggaccat tttgcactgc 180

cattcattga ccagatgctt gaacgcctgg caagattcta caggcgctct attagagaat 240

ttagcacggc acctgattgg accgccccat ttgagctaat gtgcgatgca tncaattac 299

<210> 15863
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15863

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atatatcgag gtgctcgaaa ttgagaaccg gaagctctcg agaaattcaa atggtcataa 120

ctttaaactc ggaggtccga ttcaggtgca taatatatcg agacgctcga aattcaacaa 180

tggaagctct ggagcaaatc aaatggtcat aacttttcac taggaggttc gactcatgcg 240

cataatatat cgaggcgctc gaaattgaca accggaagct ctcgagagat tcacatggtc 300

attaactatt cactcagaggt tcaggtcctg tgcataatat attgagacgc tcgatattga 360

acaacagatg ctctcgagat attaaatgag cataactctt cactta 406

<210> 15864
<211> 433

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15864

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tccgagtgca aag 253

<210> 15865
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15865

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aagagctcga cgctattatc tctatactca atacatacta tcaaggatac tttatcagtg 180

gtcacaggaa atgtacgtgg taccatttca tcatactatn tagcattaaa ggtatgctct 240

ccctatatct atatctttat gcacactata caagcttaca actagttggt ttagaataat 300

ataataactg tgattatata tataatcaaa ctgtagcgtt tacaataata tgatttaata 360

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agacaccaaa tgtcaacttc cacatgttcc tattgtcagt acctacact 469

<210> 15866
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15866

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ggttatgaag tatttcggac tatttgcatc catgtctgga caacatatgt ctgtatgtat 120

[illegible]

[illegible]

tgaggattct tcattcacaa tacatcgttt taacccaaca gaaacgtgca tagaagtagc 360

gtcattttgc aattcaatcg aataaagacc atcaaccaat tgaccacaac caataatttc 420

<210> 15867
<211> 466
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15867

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caggggctga agtctctttt ggtgaggtag ccatggaaaa gcagagcgtt tggaatggtt 120

tagcaaattt ctgagagctg ttgggggatg ctgaatacga gattatcacg aatatataag 180

tttgaatgaa gaatgtaaaa ggccgtgtga agcaacggtc gaatttgctt tggttcagta 240

gtgaacgtgc tattaatgtt aggtgattcg tttgggcacg tcagatatca gtagttgcta 300

caattcctct agcagacaaa tgcccagctt gcccctcagt tattcaaact gttntgcatc 360

caatgccttt gtaaaatatc tgctatttgt tcctcagtgg tcacatgctc cagtgtgata 420

actctatcat caacaagctc tcttgatata gtgatgtctg atgtca 466

<210> 15868
<211> 419
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15868

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tggttctcta tttggttctt aacccctcca tgcaacttct ttacaaattc tgacctagat 180

tcccctttct tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taatggtgtt 240

agggattga accatagac aactctaaaa agggactgc ttggtggttc tatgaacccc 300

<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15869

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atgccatatg tagcanagtc gttgatccta tcatgtttga tgagctggaa aatgaggctg 180

caattatact gtgccagttg gagatgtatt ttccccctac cttctttgac atcatgattc 240

acttgattat gcatctcgtc agagaaatca aatgttatgg tcctgtttat ttgcagtgga 300

tgtcccccagt tgagcgatac atgaagattt taaaatgata tgaatatcta tatatccaga 360

acatctattg ttgagaggac attgcagaag ngccattgaa ttctgtcaga atacatcgag 420

aagctaaacc tgttggcctt ctaagtctca gcatgatg 458

<210> 15870
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15870

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ttattaatag acagatagag atatcttaat gatgaaagct ttccaaatga tcttggaaga 180

gcaccaccaa ttaagttgtt ggaaaaatct agcatgtcta tatttttaaa aacccaatt 240

tgatctgtca gattgcctca nagttgtgaa ctctgatctg caagtgttgt gagtccatgg 300

gatatacaat gagcaagaat ttctgaaagt cattaacctg gtggctgagt ctgagatatg 360

ataaacctat ctccct 376

<210> 15871

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tggtatttt ttttaaagat gaatgtgata atttgttaat aatatatgta ttatataaga 180

aacattaaat atgcttgatt aaacatttca aattaatttt aaattacaca ttaaatgttt 240

ctaagtttaa taaatgtgca ttaataatat aaacattaaa aattgattaa tttatataaa 300

gaattttact tatatgaaac ttttacatgt ttctttaaag aggcatgtat tgtttattca 360

atgaatttta ttccttccaa catanatcta tctttttgtt ttaattacc 409

<210> 15872
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15872

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ctatacgaga catcttgccc aacaaagtca ggttagcgat aactcgcctg tactttntct 120

tccatgctat atgtagcaaa gtcattgatc cagtcaagtt tgatgagttg gaaaatgatg 180

ccgcaattat actgtgccag ttggagatgt attttccccc tgctttcttt aacatcatta 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatggtg tggtcctgtn tatctacggt 300

ggatgtactc ggttgagcga tacatgaaga tcttaanagg gtatacatag aatctatatc 360

gtccagaagc atcta 375

<210> 15873
<211> 440
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15873

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gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtttgcagtc 360

agtcccttca ctagcagtac tgtgttcaga ctatgaagtc catcattgac tagctntccc 420

attccagtga tctttcctta 440

<210> 15874
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15874

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gaagctctcg agaaattcca atggtcatta cctttaactc ggaggtctga tttaggcgca 120

taatatatca agacngctcg aaatgaacaa cggaagctct ctagaaattc aaatggtcat 180

aactttcac tccgaggttc gattcaagtg catgatatat ccagacgctc gaaattgaac 240

aatagaagct ctcgagaaat tcaaatggcc ataacctta actcggaggt ccgatttagg 300

cgcataatat atcgagacgc tcgatattta acaatggaag ctcttgngca attccaatgg 360

tcataactnt taactcggac gtccgattcg agtgcanaat atatcgagac gatcgaaatt 420

gaatnatgga agctattgag caattcatat gatcataact nttcacttgg aggtccgatn 480

gaggcgcata atatatcg 498

<210> 15875
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15375

ttctnttgct ctacggaaca tgagtaatac acaaacaacc aaatatctta tgaaatnnca 60

gnatggtttt gtaancatac taaacctcaa acggtgtttg atccttcaat gctctggtgg 120

tcaatgtgtc tcgggccttg caacctaaat tgatctgaac cgttcatctc 350

<210> 15376
<211> 394
<212> DNA
<213> Glycine max

<400> 15376

agcttcctca gagccttatt ctatgatgac aaacatttgg aaagttagtc tacacgataa 60

tgcttacttt atcacaaaaa tgatatgcta atctttacga tataaaacga actcatgcac 120

acattaatgt agtacattta tgaacatgcg catgtgtaaa atatcctact atatatgtca 180

acatacgagg acattcatca cattctagtt accacacata tatacatctg tgaaaagaat 240

acacatttcc atgctcaatg cattgagcaa aaattacacc tattcacata ctatatatat 300

tgctatcaca aactacctac acatatgtga agatgtatca taaaatttct gtatgtactc 360

catatattat atcacactga aagtaatacg tatg 394

<210> 15377
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15377

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60

taaaaagtta ttgtagtttg aatntgctca aggcttcagt attccatttc gagcgtctcg 120

atatatttacg ggactcaatc ggacatccga gtaaaaagtt attgttgttt gaatntgctc 180

agagcttctg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

agtacaaagt tattgtagtt tgaatttgct caaggcttcg gtattccatt tcgagcgtct 300

cgatgaatta cgggactcaa tcagacatcc gagtcaaaag ttattggtcg ttgaatttgc 360

tcagagcttc tacattcaat ctcgagcttg tcgatatatt acgggactca atcagac 417

<223> Unsure at all n locations

<400> 15878

actcggatgt catattgagt tccgtaatat atcgaaaagc tcgaaattga atgttgaagc 60

tctangcaaa ttcaaacgac aaaanacttt tactcggatg tctgattgag tcccgtaata 120

tatcgaaaag ctcgaatgtg aatgtagaag ctctgagcat attcaaacga caataactnt 180

ttactcggat gtctgattga gtcccgtaat atatcgagat gctcgaaatg gaatatcgaa 240

gctctgacaa atncaaacaa taataacttt ttactcggat gtccgattga gtcccgtaat 300

atatc 305

<210> 15879
<211> 301
<212> DNA
<213> Glycine max

<400> 15879

aatgatagat ctcatccagc gcaagttgtt gcaacccaca tacgcacact gctatataaa 60

catgaaagct gcacgagttt tctaccaagt tcgggattga agaatatttt gtgagtcttg 120

gaacttgagt gttttgtgag ccaccttgat gtcaccctaa catcaagtgt tggacctgag 180

tgtgtagagc tgatctctat tgttcagaga gcaatctctg gtgtgtcttt gatttatttg 240

tatacaccgg agagtgattg agagggagtg agatggcgtc tcatatctaa gagtggctct 300

t 301

<210> 15880
<211> 306
<212> DNA
<213> Glycine max

<223> Unsure at all n locations

<400> 15880

actcgcatgt ctggttgagt cccgtattat atcgagacgc tcgaaattga atgttgaagc 60

ttttgagcaaa ttcaaaacgac aataacctit tactcggatg tctgattgag tcccgtaata 120

[illegible]

[illegible] 216

<210> 15881
<211> 363
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15881

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cctagactag tttttgtatt aagggtagtt ttgtaatttc acatgcacta agtgaatatt 120

tgatgtgtgt gttgggaaat aaatttaatt gaattggtag aacccccaat ccaattaaat 180

tttagagggg gaggtgaaca ttntcttact acaccccatt gccacatcat atagtcacac 240

tttgtgcatg tccttcatgc tttacatgtc tcatgacacc taagcacaat tagtggagaa 300

tcttggaatt gatcttggat tagtgggctg aaccataact ganattcact aatcataatt 360

agt 363

<210> 15882
<211> 380
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15882

acaatgatca caaaattcaa gtntatctag tttatcacca cctaacagaa tttgtttctc 60

aagttcatgt aatcctctnt cactaacatg acctaatctc anatgccaaa gttttgtttt 120

atcaatcaat gtattactag ctatcaatgc atgtccaaca atggtggaac cttcaagaat 180

aaacaagcca ttactttnat tcttggtacc cttagctatg attaaagatc catttgaaat 240

cttaagaaca ccatttaaaa ttctagttga atatcatgga tcatcaaaca ntgttatgga 300

aataagattt cttttgagtt ctggaatggt accttacatt ttcagtagat actctctatt 360

atcaaacatc tttaatctca ca 382

<220> Unsure at all n locations
<400> 15883

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attaaacattc ttatatacta ttttgttggt ccttattata aggtccaatt aactaattat 120

ctaaaattaag aaaattggtg aatttagttg agggcattaa agacattntt gtgaaaaaaa 180

ttaatacaaag gacattntan gttgaacctt ataataagga tcaagtgaca cttgtaatgt 240

ggatattata ataagcatta gatggagtac catattaaca cccataantt ttctttcact 300

ctttttctat catgtaatat caattaacca tacttgatnt ctttctcttc tctctttatg 360

tgtcaattag tggtcaatga atgtntntnt catttcttaa ctcanattga aaatagaaat 420

atttatttt aacaactaa 439

<210> 15884
<211> 334
<212> DNA
<213> Glycine max

<400> 15884

agcttcaaca tcagactcac ttcaggtgct ggaattactt cacatggact tgatggggcc 60

tatgcaagtt gaaagcctta gaggaaagag gtatgcctat gtttgtgtgg atgattactc 120

cagatttacc tgggtcaact ttatcagaga aaaatcagac acctttgaag tattcaagga 180

gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240

tggcagagag tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300

tgagttctct gcagccatta caccacaaca gaat 334

<210> 15885
<211> 409

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15885

[illegible]

[illegible]gacat aggagacatt ctgatatgac acatgtctta catcttcgga atacacgaag 240

[illegible]acatt ttcattgtac aagaatctta gaattatcac canatgagac attgtcactt 300

[illegible]attcat caagatccac gaacatgctt ctgttctaca catatggttg cttgcaccaa 360

[illegible]aagga ncatgtgttt tcttggctac cttcattacc tccacatgc 409

<210> 15886
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15886

ttcttggtgg tgaagctcct tcttccttgg cttattcccc agtggatggt gcctccccta 60

tcctctttctc ctttgccttc cgctgcatct ccatgatgaa naatcaccat tgaaggacct 120

cattgaagat caaagatcca gcctccatag aagctccaca agcaagcttc catcaagtta 180

tgaccatttg aatttctcga gatcttccgt ggttcaattt cnggcgtctc catatgtcat 240

gtgcctgaat cggacctccg taagaaaatn tatgaccatt tgaacttctc tagagcttcc 300

gttggttaat ttcgagcttc tcgatatctg atgtgcctga atcggacatc cgagtgaann 360

agtggacaat ttaatttctc agagcttcgt tgtcaattt 399

<210> 15887
<211> 332
<212> DNA
<213> Glycine max

<400> 15887

aacagagata tctattctat agatacatat aattatdaca atttccatgg ctctttatac 60

tgtttcagca ctgctgcttg ctaccacgta ctgtgttttt gctatggtaa ccaagttacc 120

ccatacaagt gagcaataac ctattataga ccttctgtga gtgatagacc ctacccagtc 180

aacattagcg tatgccttga tggttcatac tgcggtatct ttgtgttacg agaagacata 240

tgatatgcc cttccttctc aagatccgat atactacctt taggtagtct tgatagggag 300

<210> 342
<211> 314
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 15888

gcccaatgcc acaagatata aaaaagatag ttatttccaa aatgtcaaga tggngtgaga 60

tnatgattgt gatgcaatcc cacccccccaa gggcactgga tagaagactc caagaagatt 120

gnggccagaga tgcaagagaa ggccctatga ttctcatgag ccttanggta gatttcgagc 180

ccatgggcta agtacaagcc cacttatctg tgtacatatt agattaatgg ttcattattt 240

cngggngttg tatttatggc tccataatgt angtagggta ccctagaaat gtaggatnnt 300

tcaccettgt attt 314

<210> 15889
<211> 343
<212> DNA
<213> Glycine max

<400> 15889

agctttatct tatattgtca gatgcagcat tgaggatcag agatattaac tatggtccag 60

atgtgctcat ggaagaaatt gaaaaatаca agacgtatgc cgagaggttg gagcccttta 120

ttgctgatac tgtgcttgtc atgaatgatg ccatataaca aaagaagaag atttttgttg 180

aaggacgaca agctaccatg ttggacattg attttcgaac ttatcccttt gttacttctt 240

ctagcccatc aacaggcagg atatgcactg gtctaggtat tgctccaaag gtagttggtg 300

attaatatga gtggtacgtg gatatttatc tatttctttt tta 343

<210> 15890
<211> 249
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15890

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[illegible] 120

[illegible] 180

[illegible] 240

atcnactct 249

<210> 15891
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15891

agcttcgcac ttgataacgg agaacacatg agcagcgcta ggcaatgaca ttcatggtgc 60

tcccgaaaaa ggtggagtat ggaggattgc cttgagggtc cgcacttang caatcatgaa 120

actcagctcc aaactcgaaa gtggaggaca cgtgaacagc cctaagcaat aacattcatg 180

tgactctaga aaaggatgag aatggangat tgccttgagg gtcctctctt angcnatcat 240

ggaacatagc ttcaaactcg aaaatggagg acacacgaat gacaatgcaa ttcattcatg 300

<210> 15892
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15892

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nntgtgagca acaaaggcta aaatgattct tataacttca agtctagcaa catgaacaaa 120

ggtttcagag aaatctataa ctttntgttg attatatcct caagctacta acctagctnt 180

gttgcatact acttttcctt gttcatccaa cttgtttctg aagattcatc ttgttccaat 240

ggtgctcttg tttctggcca ttggaacaaa tgtccagaca ttcatttttgt taaactgatt 300

cagtttttct tccattgtga ttatttagtc atttctatc anagctnngt ctatagttnt 360

aggttngatt canacacatg ngtcttaatg atatctagtt taactccttc ntctaatctc 420

agatatatga tcttat 436

[illegible]

[illegible]

<210> [illegible]
<211> 15893

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gatggactca tggtcactat gaatgacaaa ttgcttggga taaaggtagt gttgccatgt 120

tttcaaagcc cgtactaagg catacaactc cttatcataa gttgaatagt taagggtagg 180

accacttaac ttttcactaa aataagcagt tggatggcct tcttgcatca acacagcccc 240

aatcccaaca tttgaagcat cacactcaat ttcaaaagaa ttttgaaagt nngggcaagc 300

aagtataggg gcattagtta gctnttgctt aagaacattg aaagcttctt cttgtttctc 360

ttcccatttg aaaccagcat ttttcttgag cacttcattg agaggtgctg ccaatgtgct 420

aaaatccttc acaaatcgtc tataaaaac 449

<210> 15894
<211> 270
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 15894

tgtgcttgga tcgttcatga tgagcangtn tgaaccaata cttatagcan atntattatc 60

acagaataac atcatagagg gcacatcaac ttcaaagtga agaagtaact tgcttaacca 120

aacaatttca ctagtaacag aagacaagac acgatattca gcttcagtgg atgatttaaa 180

atagtgggtt gtntcttaga atgccaagaa agaagttggt tcccanaaaa cacaaaagtc 240

agaagtggat cttttggtat caacacaact 270

<210> 15895
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15895

ttgcgcgcgct acgctctccg acttgtctcc aggccgccct cagccggagc caagatcaaa 60

[illegible] 240

<210> 15896
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15896

agcttcanac ttgcatcana ggagttgagc aggtaaaaaa gattcgtctt caaactctta 60

gaggtgactt tgagcgtttg tttatggagg agtccgagtc aatttctgat tatttttctc 120

gagtattggc cgtagtcaat caacttaaaa gaaatggtga agatgttgat gaggtgaaag 180

tcatggaaaa aatacttcga actttaaatc caagctttga cttcattgtt accaacattg 240

angaaaacaa ggatttatag accatgacta ttgagcaact catgggttcc ttacaagcat 300

acgaagaana acaaaagaga anaattaaac anaaggaggc tacngagcaa ctactacaac 360

tcaacgtaaa ggaagcatac tatgcaaatt aca 393

<210> 15897
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15897

cctcatcagc anaaccaaca actgcagaat aattatgatc tttcaagcaa canatacaat 60

ccaggttgaa gaaatcatcc aaatctgaga tgggcaattc ctccacaaca acagcagcct 120

gtccctcctt tccaaaatgt tgttggtcca agcaagccat atgttcctcc tccaatacag 180

cagcagcaac tgcagcagtc acaataaaga caacaagcaa ctgaggctcc tcctcaatc 239

<210> 15898
<211> 437
<212> DNA
<213> Glycine max

tcttcatatc aattccttct tattgattat atccttgagc caccagtctt acgttgattc 180

taactatctc tccttttttct tgttcttgan aacccatttg gttccaatta ctaactaatt 240

cttaagagat ggtacaagat tccatactnt gttctttgtg agccgactct attattcttc 300

catagtagca acccaagaat cttcactcaa tgcttcatca atgttctttg gctcaattat 360

tgagaagagt gtcatcatnc ctttctcttt gttcaaagaa gctcttgtnt tgactccaga 420

tgttatttct ctaatga 437

<210> 15899
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15899

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actgtttgta caagattact tttcttcccg tgatcaacat ggatttcttt taggagatat 120

atataaagtt gatttatttg ttaaaaaaat cctaaattcg attatgatat tgatttgaaa 180

tatttttcat taaaaatgat aattaatctt ttttaccaat aaaatttatt ttataccttc 240

tggttaaact atttgattaa gatagataca ttattaccac ttatataaat cgtttttatc 300

ttaaaaatca tatatttttg tgagtaaatg tatttttaaa gagtaaataa taatatatgc 360

caaaaatata taatactatt ctcta 385

<210> 15900
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15900

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ttcaagaata gcttaagcaa catcattaaa ggttagacaa gtgacattat tattatttgt 120

[illegible] 180

[illegible] 240

aagaatattc tagtctgaag tgacttgatc tcatacaatt tgtggaaagt atcccanata 360

tcottcacgt tnttnattgt taagtgcaaa tt 392

<210> 15901
<211> 401
<212> DNA
<213> Glycine max

<400> 15901

cttgcaagct tgtgttcctt gttaattatt ggtattagtt gttgtttatg tgaatattag 60

ttgttaaatt tcaattgaat tatgttatat gatacacaca tgttaaagta gttgcattac 120

tattagactc tcttatacat taattggttt atatgaactg ggagaatgat tatataatta 180

gaaaaacaat tatagataaa attgtctaag tgagatttaa atctaacatg aaagatgaaa 240

ttagaaagct tgaccattgt gtcaattaat gtcattggta tattgaaata tgacttataa 300

taaatgaata tatgctaata atcgaaatat gacttataca ctgtgtgttt aaagtgttgt 360

tgtttatttt tgcacttctg agatattatt atgatcttta t 401

<210> 15902
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15902

gtattaatta ttattgttaa ccttccagta tatatatttc gatatcatca ttcatgttgg 60

tgtctttcct ctgcgggcat ggcgattttg tcctaatttc ttttagaatg catttagatt 120

cataatttta cttgacgaaa gcaatttatt agatgattta catctcttta atctaanatc 180

gattgtttga atgttctttt ataaagaatc taaattgtta taattctaca caattaacaa 240

tatagaattt taatttcctt ctaacaagtg agaaattgac attctcttct tgatcaaaga 300

gccttaaaaa atatgtgcgt aatttctttа atacc 335

<223> unsure at all n locations
<400> 15903

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gtaagtccca cttgagagga gaaggtagaa agattgcttg agaagaaaag ctctcttaat 120

atctcctttt cgttggacta gctcatctag gtcgctatat ggaaggagtt caaccttgtc 180

ctccacttcc atattaagcc cactaaggaa cctagctatg cttgtttttt ccacctccct 240

aagtccagct cttaaaagga gtagttccat ttgttgtcta tattctttga cactcatact 300

tctttgtcta agcctttgga gcttgtccat aagctccctt tcatagtang agggaatgtg 360

cctcttccta agggcattct taagatcatt tccatacttt actggangat ccccatg 417

<210> 15904
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15904

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tntgttttca aaaagctntc aactgaattt acaatgttcc aatcaatttc aaaatggtgt 120

aatcaattac aatatattgg taatcgatta ccagtgtgtt tgaacgttga aattcaaatt 180

caaatgtgaa gagtcacatc ctttcacana aatgctntgt gtaatcgatt acaatgattt 240

ggtaatcaat taccagtgat aaattttgaa taaaaatcaa aagatgtaac tcttccaatg 300

gttctcaagt ttttctaaag gttataactc ttctaatggt tttcttgacc agatatgaag 360

agtctataan agcaagacct tgacttgcat ttaagaatca ttctaacaat tatacaatcc 420

tttatacctt tgaactcttt gacatcttct ttttctttct ttgaaaagtt tctaaagtta 480

t 481

<210> 15905
<211> 407
<212> DNA
<213> Glycine max

tgtttacctt cttgctgtgt ctattccatt gtggacaagt gcatcaagtg aagtatgtgg 120

atgcctcccg agttattcgc cttctggtag ccaaaggctc taatgaagta tgtngatacc 180

actgtcgtcc aggaagacct tgttagaatt aatgtctcat gtgagaggca tgtgacttta 240

tgtaggacta ataaataaat cattaataat taacgactaa attgttattg tgtaaatagg 300

aggaaacttct aaacgtaact gttacttgat ggaagtagtg ggtgtanaag gggttaatac 360

ccactaactt gaaacaaagt cccttctgac acaagtgtct ctctatc 407

<210> 15906
<211> 372
<212> DNA
<213> Glycine max

<400> 15906

agcttttctc ttgtggagac ggcgacaaat atcggttggg acatggaaac aaggaaacgt 60

accttcaacc aacttgtgtc tctgcactta tcgagtataa tttccaccag atagcatgtg 120

gacacaccat gactgttgct ctcactacat ctggtcacat tgttactatg ggaagcaatg 180

aatatggtca actatgaaac catctggctg atggaaaagt acctatccta gtacaagaca 240

agttggtggg tgaatttgtt gaggtaatat catgtggatc tcatcatgtt gcttgcttgt 300

catcaagaag tgaattgtat acttggggga caggtgccaa tggaagattg ggacatggag 360

acatagagga ta 372

<210> 15907
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15907

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attaacaact tccgtttgcc catcgattta tgggtgacaa gtggttgaaa ataacaattt 120

[illegible]tag agtccctatc [illegible]

[illegible]

atcaacaacc acaaaaaatgg aatctctacc attgctttgt tttggcagcc ccaaaacaa [illegible]

<210> 15908
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15908

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agaaaccatc agaccatggc catatataac tgtgcaagca tgatagaaaa caaattataa 120

aactattaga aatgaatgag gaagtttgac aaaataataa gacaaatacc ttttcattgt 180

atatacgaag cctttctttg actactgctn tagtatcatc tgaccgagta atgagctttg 240

acatacagtg tgcaggagga agaagtggag ccatgaccat tccaggacgc ccattctcac 300

tcttgatgct aatggaggca atattaaaaa ttccttcaca ttgattacaa attcttctac 360

caagggcatt tgcaagcagt gcttcttctt ggagcttc 398

<210> 15909
<211> 413
<212> DNA
<213> Glycine max

<400> 15909

agcttagact cagttcagcc taccatcctc agactgatgg ccaaactgaa cggaccattc 60

agtcgttgga ggacatttta agagcatgtg tcttatagca gaagggaagc tgggagggtt 120

ttcttccatt gaaagagttc acttataaca acagttttca ttctacatt ggcatggctc 180

cctatgaagc tttgtatggt agaaggtgta taacacccct atgttggtag agcccggaga 240

atgcctcacc ttacgaccag aagtggtaca acataccact gagaaagtta agttaattca 300

ggacaggatg agaactgctc agagtacgca gaccagttat catgataaga ggatgaaaga 360

tctggaattc gacgttggtg atcatgtatt cttgagagtc actccatgga atg 413

<400> 15911

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actattatta taagctaaat ttataaggga taaaaactta tcccaacttа cacctтcatc 120

aagaacacat actctaagca tgtcttcaag gttctagatg atcctctntg attgactatc 180

catttgagga tgataagcag tgctaaaact tagcttatac ccaaaagctc gctagaatgc 240

tttccaaaat ctaagatacc tatctaacac tatagaggta ggtatgccat gaagcttaag 300

tatctcctta ttgtaaatgt ctgctaattt gtccaatttg taggtctcct taattggtaa 360

gaagtgagca gacttggtta gcctgtccac aaccacccat atgacctcta gacccaaacg 420

aagttttgga aaactgttac aaaatcccc 449

<210> 15911
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15911

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gtgcttactg anttacctca gaataaaaat gtgattgtgt gcaaatgggt gtacaagatc 120

aaacataatg tgaatggctc tattgaacgg tataaagctc gcttggttac taanggctat 180

acacanattg aaggctangа ctatttagat actgtttctc tagtagccaa aattactaaa 240

gttcggcttt tgttggcact cgctgctttg ataagtggtt atcagacagc ttatgtaata 300

atgcaaactc atttgatctt atg 323

<210> 15912
<211> 375

<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	15912

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tacatggatg gagat 375

<210>	15913
<211>	303
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	15913

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atgacttttc agacggatgt ccgattatgg cgaatcacat atcgagacgc ttcataattg 120

aacaacagat actctggaga aattcaaatg gtcataactg ctcacaccga tgtccgattc 180

aggcgaatca catatctaga cgctcaaaat tgaacagagg atgctcttcg aaaattcaaa 240

tggacataac ttttaactcg gatgtccgat cacgcgcatc acatatagaa gctcttgaaa 300

agg 303

<210>	15914
<211>	293
<212>	DNA
<213>	Glycine max

<400>	15914

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tcaaatggag aatagagatc atactgaaga agagaggatg aaaacaggga atgatggtgt 120

tcctagacaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaagaa 180

tgatccggag gcctacttgg agtgggagat gagaatacag catgttttct catgcaacaa 240

ctatgaggag gaccagaagg tgaagcttgc cgccacggag ttttccgact atgctctt 298

<210> 15915

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aaccatgttt ctgggtttaa tttcacgaca atgtggaccc ttcaaatgca gaggctatag 120

taaaaaaatt ccagatggat ggacgttatc ttagagatgt ctggtaaatt ctctgattat 180

tcatctgtct gggttttggc acccttgcta tttggtgtgt taagttcaag attggttgaa 240

ggatatttga tacctgctta tcatgcgagt ttgggacacc aatgatggaa ggctgaaatt 300

tctttgagaa aacaaatcgt tnttgtggac atttgtgtgg atntcttata tgtttctctt 360

aatattctct cttatcatg 379

<210> 15916
<211> 360
<212> DNA
<213> Glycine max

<400> 15916

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gagaggtcca acacagtgag gttactatgc ttccctagct cctcaggaat ctcacctgtt 120

aatccgttag accatagctg aagaacctga tgcctatgca aagatgcaac acccttgga 180

atcttcccag tgaacttgtt tgagaaaagg tggagaatct tcagcctctg gagcttaacc 240

acacgctcgg aaatctcacc cgaaagagag ttatcactta gatcaagaga catcatcttt 300

ttgagctcga agatagatcc tggatttgac cacttatttg ttttggagag aagagatctg 360

<210> 15917
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15917

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aaaatcttca gaaaaaagtc acttgaagaa ttgcgacttt tggaaaatta tttttcgaaa 120

[illegible]

[illegible]

tcttgaaatt tgaatcttaa tgtttaaaac actggtnatc gattactacc ttct 354

<210> 15918
<211> 372
<212> DNA
<213> Glycine max

<400> 15918

agcttgacta tgaaagcaga acctgaaatt tttgtaggtt atagctcaac ttcaaaggcc 60

tacagaatct acctaccaca gagcaacaaa gtaatcgtca gcagggatgt caaatttctg 120

gagtcagata gttgggactg gaaaaatgat tagaggtctg agtttcagga agagaatgaa 180

gatgttgatg aagaacctat cagaggaacc agatcacttt cagacatcta ccaaaggtgt 240

aatgttgctg tgatggagcc tgagggatat gaagaagcta cagctgatca aaaatggaga 300

aatcaatgaa agaggagctt ataatgattg aaaaaaataa aacatgggag ctggtggaca 360

gacctaacca ca 372

<210> 15919
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15919

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ggtattgaag tcaagtattg tcctgataga tctattatga tgacacatat gaaatacatt 120

atggacttgt tgcacaaaac aaanataacc gaggctcagc ctatctcctc tcctatggtt 180

cctcctgcaa actctctaag aatggcagtg atctctttca tuatcctacc ttatttcatt 240

cagttgatgg gcactccaga atgcccctg acccacccag agattagcta ctctgtccac 300

aaggtctgcc agtttatggc tcaaccttta gacactcatt ggactgctag gaaacatatt 360

ctgcactatc tagagggtac tgggtcttat ggtcttcact taacacctgc tgctc 415

<223> unsure at all n locations
<400> 15920

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gatatcttaa gaaggggggg ttgagttaag atatcacaaa ctatttccnc aattaaaatt 120

ttatgtcact ttctattcaa gtgataaatt cccttaacaa tgaatttctt atatattgat 180

tcggatagag caatttgaat atgattgttt aacaatcatc aataaaggag tttaatggaa 240

gagagaatgc atactcagaa ttatactggt tcagtcacac ccttgtgcct a 291

<210> 15921
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15921

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ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaaa cttctctcga 120

atgaaatgac aatcaatctc tatgtgctta gtcctttcat gaaaaactgg gtttgaggca 180

atatgaagag cagcctgatt atcacaatac aacttcattg gcagctcttc acaaaacctc 240

aattcctgca gaaactgttt aatccacatg agctcacaag taaccatagt catagatcga 300

tattcagctt ctgcactgga ccgagcgaca actgtctgtt tc 342

<210> 15922
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15922

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tggattgaaa tcttgtaaat taatgaatcc acttttacca aaatttattg cttctttttct 120

tactttaaat gtttgcataa acttttataa tatttacata acctttangt gatanattca 180

[illegible] 240

aatttntgttt tttttaaaaa aatctt 386

<210> 15923
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15923

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catctcctat tgattntgag tataatccca gtacttaaat cttaataata tagtttaaaa 120

cataatattc atatttcatc tctttaaagt tagaagtaat atttaaaatt aatagataga 180

gcagttatgt atgtgtgtgt ttggttcatg agattagtgt gttatttatc caacattnta 240

atctcttcga tgtttctaaa tcantaataa ttgtctcaac tgcatggatg tacttaaaaa 300

catatttgtt atattataat atcaacaata ttaacatata taattgagaa ttaaacaatt 360

ta 362

<210> 15924
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15924

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gcatacatca aactgtttca aaaagtccaa ctatcatttt attcttaata aatgggagtt 120

accagtataa aataaactat ggctgcaaaa ttgtacttca aaaaaatata aaatataacc 180

tgatcaaaga catcaatata gactttgtgc agagaatgag aactgcaaaa ctgattaatc 240

tcatgatgaa tcttgtcata tatccatgtc ttatcataat gtacaccata gttgagcaat 300

gtctcaaaga caaattcctt atggagttga ttcacaacct anaagaagaa tatgcatcac 360

tgctatgaaa atattgaaga tgtgaaaaga aaacact 397

<211> Glycine max

<223> unsure at all n locations
<400> 15925

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gcatataggg ctactgacat cttggaattg atacatacgg acatttgtgg accatttcat 120

acacctttgt ggaatggtca acaatatttt atatcattca tagaagatta ctccagatat 180

gcatacttgt ttcttataca ggaaaattca caatctttgg atgtgttcaa aacatttaaa 240

gttgaagttg aaaatcaact caacaaaaga ataaagtgtg tcagatctga cggtggtggt 300

gaatactatg gcagatatga tggttcaagt gaacaacgtc cggngccttn tgccaggtac 360

ctagaggaat gtggaatcat cctacagtac accatgtcgg ngtcacctag catgaa 416

<210> 15926
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15926

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agttggaatg atttgcatct caagcatcaa atcaagaacc caaatagcat tttcaatctt 120

ctttgaattt gcaagccctc taacaatagc gctcatagca acattgtggg agctgatacc 180

aagtgttttc atttcatctt gcagtttcat tgctcctttt atgttttcaa ctctacacat 240

gccattgatt aaagtgatat attgtttatt tgtaggaaca gaaccacttt ccaacaagac 300

ttgcaaaaca cgatgggcct tatgaaaatc actagttcta atgagtccat taaaaaggca 360

ttgtatgtat ctacattang aataaccata aactg 395

<210> 15927
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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antcaatggt ggaggacgca tgaacaaaac tagggaataa attgatgggt ctccgaataa 240

gatntgaggg tggaggatag acgaacaact ctaggcaatc aatccatggg gttctagact 300

tgatggtgga gaacgcatga acagcgctag gcaatcaagt catgggtc 348

<210> 15928
<211> 371
<212> DNA
<213> Glycine max

<400> 15928

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atctcgatta caatgcaccc aagagaccat atatctaacg ctggttcaat ctgaccaacg 120

atcgattctg gcgacatgta aaaaggtgtc cctctaaact tgaccttccc atactcagca 180

nttgcatctt ctctagtctt ggacaaccca aaatcagcaa tcttcagttg ataccttgca 240

tgatcatcag atgaaggaaa gagaaggatg ttgtccggtt tgagatcaca atggacgact 300

ccttttcgat gaatgcaaga aagccctttg agaagcatac gagtgtagac tcttacttca 360

ctatccgata t 371

<210> 15929
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15929

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cattatcaca tagtctatcg ggaagataaa atgtttcact ctaaccagca catcttcaat 120

tactccatat ggtctggtaa tggagcggtc agcaagttgt aaagtcatct tagtgggcat 180

gatcttccaac tcttccaacc ttntgcacat ggagagtggc attaaattaa tactggctcc 240

taggtcnata agagcctttc acacagtgac ttctccaatt gaacaaggaa tagttacact 300

<210> 15930
<211> 435
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15930

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gttttccagg agagaagact ttgagaagcc cttgaaccag gcttggtgca aagtccttgt 120

accttttgatg aagcaaagaa cagatctttc caaaaagaag caaatgattt aaggtaacat 180

catataaaat atagaaacag cttcaaatgt gtagaaacca gggggactgc aaagcccata 240

cctgaactgc agcttgtata tcagaacttc taagcttggc atcacatata gcagccacag 300

cttcactgac aaatntgctt aagttgacac ttcgcaactc gtccatcaga gcttcacgct 360

gctcttcatt aatctgcttc agtttcttaa taacagcagt ggtgcgctta atgctagaat 420

ccaatgtccc ttaaa 435

<210> 15931
<211> 279
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15931

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gtgaaaagtt atgatcattt gaatatcttc agagcttcca ttgttgaatt tcgaacgtct 120

cgatatatta tgcgcctgaa tcggacatcc gagtgaaaag ttatgaccat ttgaattgct 180

gaagatcttt cattgttcaa tttcgaacgt cttgaaatat tatgcgcctg aatcggacat 240

ccgaagttaa agtatgacca tntgaattgt cgacagctt 279

<210> 15932
<211> 400

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taactcggat gtctgattca agcgcataat atatcgacac gttcgaaatt gaacaatgga 180

agctcttgag aaattcaaat ggtcataact tttcactcgg aggtcccatt caggtgcatc 240

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nctttcactt cgaggtccga ttcaggctca tcatatatcg agacgctcga aattgaacac 360

cgaagggtgt cgagaaattc aaaaggtcat aacttttaac 400

<210> 15933
<211> 341
<212> DNA
<213> Glycine max

<400> 15933

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taaaaagtta ttgtcttttg aatttcctac aagcttccgt tttcaatttg caacgtctcg 120

aatatattac aggactcaac ttgacatccg tgtataaagt tattgtcaat tcaatttttct 180

cagaacttcg gatctaaatt ttgagcgttt cgatatatta caggactcaa tcggacatcc 240

gagtgaaaag ttattgacac ttgaatttga tacgagcttc cagtttcaat ttggagcatc 300

tctcgataaa ttacgacact ctgtcaggca tccgagtaaa a 341

<210> 15934
<211> 322
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15934

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cggggttcga agacaacctt ctttctccct ttgttggctt gtttagcata gcttttattt 120

ttcctctcaa ttttatcttt gactctctca tgaagcgtct tcacatagtc cgccttrgct 180

[illegible] 211

<210> 15935
<211> 331
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15935

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gtacacttct ctatatttgc atagagggtg tttttcctaa ctactgaaag aactagcttg 120

agatgtccta aatgatcatc taagctccta ctgtatacta aaatatcatc aaaataaaca 180

actaccaatc tacctatgaa atcccttaag acattatgca taagcctcat aaaagtgctt 240

ggtgcattag tgagcccana aagcatcact agccattcat acaaaccaaa cttggtcttg 300

aaaagcggatn tccactcatc acccttttte a 331

<210> 15936
<211> 126
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 15936

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atgattntct tcatgcctct taagtgcaga tgtccaaatc tttgatgcca tattctgact 120

tcatct 126

<210> 15937
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15937

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[illegible]

[illegible] atattttagcg agatggaaaa gaatgnnaan gcttattnag 360

catcatttca tatgtattct ccattggtac ttttctctaa tattcattaa catattcaca 360

tgttggaatg atac 374

<210> 15938
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15938

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aaatagtttg gcacagatag aataatcata atcagttagg atgctccatc acaattaana 120

aagaagactt aatggatgga gcaacgtgaa taacaacaaa ttataaattc aaagatgtgt 180

ttttntgttt cattaaatta gttacaatag tacacttaaa aaaaaagtta caatagtgac 240

taaantaccgc caaatttaag gatcaaaatg ttagcttact cattttcttg ataaaaatcg 300

ttgactttta aattgaataa aatattaaat taatggaaga atntgttaaa tntgtttgaa 360

tttggattat ctttacaata gtgattaata taaaatcaag attttataac aatgttttac 420

<210> 15939
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15939

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caaaagatca agatgagtta gtaggttaaa accataaaca acttcaaaag gagaacaatt 120

agtagtgcta tgaacaactc tattgtaagc aaactcaaca tgtggtaaac aagcttccca 180

agtctttaag ttcttcctca aaactgtcct aagcaaagtt cccaatgtcc tattaacaac 240

ttctgtttgc ctatcagttt gtgggtgaca agtggttgaa aataacaatt tagtgcccaa 300

<210> 15940
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15940

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tntgttccca aagcttcatg tagacttgtc caaaatcgcg aagtgaacct tggatccctg 120

tcagatacaa tactagaagg aatttcatgc aaccttacta ctttcttgat atacaactcc 180

acgtagcttt ccattctata cctcatattc actgcgataa aatgagcaga tttggtgagt 240

cgatctacta tgacccaca 259

<210> 15941
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15941

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caagttgaaa gccttggagg aaaaaggtat gcctatgttg ttgtggatga tntctccaga 120

tttacctgcg tcaactttat cagagaaaaa tcagacacct ttgaagtatt caaggagttg 180

agtctaagac ttcaaagaga aaaagactgt gtcatcaaga gaatcaggag tgaccatggc 240

agagagtntg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300

ttctctgcag ccattacacc acaacaaaat ggtatagttg aaaggaaaaa caggactttg 360

caagaagctg ctaaggtcat gctccatgcc anagaacttc cctaraatct c 411

<210> 15942
<211> 349
<212> DNA
<213> Glycine max

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aaccaatgat gggtacaatt atctttgtac atattagact acgaattcat tatactcggt 300

cttgtatat atggctccat attgcaagta tggtgcccta aaatatatg 349

<210> 15943
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15943

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ggtcgtggcc aatgaagagg aggaagagga gatcgtgata attttgacaa taatgaatgg 120

aggagccatc aatccactan aagttgtgga agaggaagag aaagaggtag aaacaattat 180

gataaagcat atgaaaggag gtatgataaa tctaatgttg aatgttttaa ttgtcataaa 240

tatggccatt actcttggga gtgtagaaca aatgttgaag agaaggtcaa tcttgttgat 300

gataaagaag ataaagaagt tgaagagcca gcactactac tatcnactta taatggtgag 360

aaggaagaca aatgcttatg gtatcttgac aatggagcaa gcaatcacat gtgtggatgc 420

aaagagaaat ntgtggaact tgatgagaat 450

<210> 15944
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15944

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aaaaactggt ctcactcttg tggcttcagc ttctctttct tgaaattttt ggggagagtc 120

attcaacact gcagctacta taatcaatta tcttccttca cctgccctta acaatatgag 180

<210> 15945
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15945

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agttatggat acccatgacaa ttcaccatca tcttcacttc tagttggagg ccattgataa 120

acttcacaca tttagacctc tccctagctt ccccctgata atgaggaaaa taccttacca 180

ggttctcaaa cctagctgca tactctgcca ccgacatgct ccccctcttc gactctaaga 240

actccatctc tttcctatnt ttcacgtctt ctggaaaata cttctctaga aaagtgtgtc 300

tgaaagtccc cgatgggaca atagcaccac ctgctccctc caaacgtgga cgagtgttct 360

cccaccagta ctctgcctca tctgccagca tgtgattaga aaacaacacc tttttctagt 420

c 421

<210> 15946
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15946

tattcaaaat acagggcatc ctagccttat ataagcagat gtttaaatag aanantaaaat 60

aacagaataa actttcatat ggattntagt cacagcccaa caattcacca ccttgaaatta 120

acattcatat aagacacaaa ctgcaccctc caagcatata cgaactcaac cctaacaatc 180

aacattgagc aagcttaagc agtgatcaaa cttgctcttt ggaactggct ttgtgaacat 240

atcagcaaga ttgtgcagag tgttgatctt atgaactttg attcttcttt ctgaccgaat 300

gaagtgatat ctaacatcta tatgcttggt tctatcatga taaacctgat ccttggccaa 360

gcatatagca ctaaggctat cacagtagat gttagcatat tcttgattaa ttccgagatc 420

<210> 15947
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15947

ntgatttcct ttgttccgga aacctttctt ttctcatgtg cttccaaacc caatctccgg 60

gttcgaagac aacattcttt ctcccttttgt tggcttggtt agcatagctt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240

ggttaaaacc ataaacaact tcaaaaggag aacaattagt ggtgctatga acagctctat 300

tgtaagcaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttcctcaaaa 360

ctgtcctaag caaagttccc aaagtcctat taacaac 397

<210> 15948
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15948

tgactgcgct tagaatatcc aaagaaaatt ccttcatctg tttttcatca aattttccta 60

agtcttcttt tccattgttt attacaaaac atttgctacc aaaaacatga agatgtgaaa 120

tgtttggttt tcaaccattg aacaatttat atggggtttt ctttaaaatg ggtcttatta 180

aagccctatt catgatatag catgcagtat taacggcttc agctcaaaaa tattttggaa 240

gaggggtatc atttaataag gttctagcaa tttcttccaa agacctatnt tttctttcaa 300

taactccatt ttgttgaagg gttctatgtg cagaanagtt atgttcaatg ccatgctttt 360

cacaagataa atcatatttc ttattttcaa actcacccca atgatcactc ctaat 415

<210> 15949
<211> 366
<212> DNA
<213> Glycine max

<400> 15949

attgttgggg gatgttgaaa acgagattat ctttgaatcta taaattttgaa tgaggaatgt 120

aaagggccgt gtgaaaacaac ggtcgaattt gttttggttc agtagtgaac gtgctattaa 240

tgttatgtga ttcgtttggg cacgttcaga tatcagtagt tgctacaatt tctctagcag 300

aacaatgccc aacttgcccc ttcagttttc aaactggttt gcatccaatg cttttgtgaa 360

aatatc 366

<210> 15950
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15950

tctttgacat ataatggacg agaaagtagt caaaaagcat gttgacgtgg aagatgacgt 60

ggtcgtggcc aaggaagatt atgaagagga gatcgtgata atttntgacaa taatgaatgg 120

aggagccatc aatccactag aagttgtgga agaggaagag aaagaggtag aaacaattat 180

gaaaaagcat atgaaaggag gtatgataaa tctaatgttg aatgttttaa ttgtcataaa 240

tatggccatt actcttggga gtgtagaaca aatgttgaag agaatgtcaa tcttgttgat 300

gataaagaag ataaagaagt tgaagagcca gcactactac tatcacttaa taatggtgag 360

aaagaagaca aatgcttatg gtatcttgac tatggagcaa gcaatcacat gtgtggatgc 420

aaagagaaat ttgtggaact tgatg 445

<210> 15951
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 15951

agcttctcag ctatcttgct tcctcactag cagntgctag tgctatcatc tcacattcca 60

tagtggactg agctaagata gtctttttct ttgacttcca agagacagcc ccaccagcta 120

<210> 15952
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15952

catcaaggt aattgaaaac ttgggaagaa tggttacctc atgttgaatt atcttataat 60

angntagcca acactaccac ttctttttcc tactttgagc ttgtttatgg ttntgatcct 120

ctatcttctc ttgatttaac tcctttacct aatgattctt ctattttgag taaagatggg 180

atttctagag ccactcttgt taaggatctt catgaatggg tgagaaatca aat 233

<210> 15953
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15953

agcttctcat ttgtacggng actcttcact ggtgatccac cagctgatat gagaatggga 60

aactanagac cccaagctga taccctacca agcctatatc aaggaatagt gctggttctt 120

tgatgagatc tccttccatc atgttccccg agaggaaaat catattgcaa atgcgcttgc 180

cactttggca tccatgtttc agctaacacc gcacagggac ctaccataca ttgagttctg 240

gtgtcgtggc agacccgcac a 261

<210> 15954
<211> 288
<212> DNA
<213> Glycine max

<400> 15954

agctacaaca ttttaccact tccagggtgc tggaactact tctcatggac ttgatggggc 60

ctatgcgagt tgattgccct ggacgaaaga tgtatgccta tgttgctgtg gatgatatca 120

<210> 15955
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15955

agcttngaatg atgtatagat ccttgattct tcaatggcca ccacaatgtg atcaaacttt 60

gatatcaatg ttctaagcac cttttcaatc accaattgtt ccttaatttg ttctccacaa 120

cacttcatct ggttggtgag tgtgagaatc ttggtgagat actcaactac tgattcagtc 180

tcctccattg caagaagctc atactatctt ctcaatgtct gaagtntcac cttctttatc 240

ttttctgcaa cttcatgact ctttacaaga atg 273

<210> 15956
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15956

ttttttcact tcatacatct ttttcttctg aaaatatatt tgaaaattnt aacaacatta 60

atttaagtat tcatattaat atagtattgg ttaaaaaatt aaataaacat tgatttgaat 120

gcaatttaca aattattaga tatattatca atccttaaac caaataaaat ataaattaaa 180

ctacattata ctatgatata tnncaataat tctattaata ttgatcacta ttgctaacaa 240

tngatttact gctatatatt tgatattgat accatataat actaattacc ta 292

<210> 15957
<211> 270
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 15957

acttgaatg accatttgat agccatgttg gacatgccaa agggtgccat aagtaggtag 60

aataantacc atccaaanaa aggagagata 270

<210> 15958
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15958

agctntgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60

cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaatgagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgnctt 240

gggagagagg gatacagatg ataagctgg 269

<210> 15959
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15959

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaagggggag ttgaattaag atattccaaa ttacttcccc aattaaaaat 120

ctatttcact ttctactcaa gttataaatn tccttaacaa tgaacttctt aaatattaat 180

tcaaataaaa acaatttgaa tataaatata aagcaataat aaacaaagga gtttaaggga 240

agagaaagtg caaactcaga attatacctg gttcggccaa accattgtgc ctacgtcaag 300

<210> 15960
<211> 351
<212> DNA
<213> Glycine max

<400> 15960

[illegible]

tttgttttgg tgaagtagcc atggagaagc acagcttttg gagtggtttc gtgaatatct 240

gagaagtgtt gaggaatgct gatgataacc agattgccac taaaatatga gtttgaatga 300

tgaatgtaga tggacgtgtg aagcaacggt cgaatttgtg tttgcccagt a 351

<210> 15961
<211> 409
<212> DNA
<213> Glycine max

<400> 15961

ctcagcttca caagcaagct tccatcactt tctctccctc tccctccact catcttctcc 60

taccttcaag ctcttaccca tggcttccta tgttggtgag ctttttcttg actcatcttt 120

tccttgaagt ggcgtctcca atcatctttc ttccatctcc attctgctac cgttaaactt 180

caagaagcaa gggactccat tgatgaagat gatccaaggc ctatatgctc cacattgagt 240

tacattacga aaaatacttg tttgaaaatg taaacaatta caaaacatat tatatatatt 300

tatatatttt aaattacaca cacacacaca tattcaagtt ttacttaaac taaaaaatac 360

ttaaataatg tatgtggtta ctagaatata tttacaaact aactaattc 409

<210> 15962
<211> 364
<212> DNA
<213> Glycine max

<400> 15962

ttagatgtta ggtgatgcaa tcctactttg caaggtcatt ggatagaaaa ctccaagttg 60

attgggcctt agattcaaga tagagccctt aggtacttat aaccttatgg taaatttctg 120

gcccatggtc taagtatgaa cccacttatg tttgcaaata ttatataaaa gcttcattat 180

tcttgggcct tgtatttacg gctccctaat gtatgtacgg taccctaaat atataagatt 240

cttcagcccc tgtgtttaag ggcacctaaa ctagtttttg tattaggggt atgttagtaa 300

ttccacatgc actaagtgga tatttgatgt gtgtggaatg aaattaaatt aattgagttg 360

<211> 384
<212> DNA
<213> Glycine max

<400> 15963

ttaacattca atttcgaggg ttccgatata ttactgtact caatcggaca tccgagaaaa 60

aagttattgt catttgtatt tgctcagagc atcaacattc aatttcgagc gtgtcgatat 120

attatgggac tcaatcggac atccgagtaa aaagttattg tcgtttgaat ttgctcagag 180

cttccgtatt caatttcaag cgttctcgata tattacagga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgaa tttgctcaga gctttgggat tcaatttcga gcgtgtcaat 300

atattacagg actcaatcag acattcgagt aaaaagttat tgtcgtttga acttgctcag 360

agcttccgca ttcaattttcg agcg 384

<210> 15964
<211> 405
<212> DNA
<213> Glycine max

<400> 15964

gaccttagaa tctcagctca catcagaccc ttccgggtgc tggaactact tcacatggac 60

ttgatggggc ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgtgggtgtg 120

gatgatttct ccagatttac ctgggtcaac tttatcagag agaaatcaga caccttgca 180

actgtcaagc acttccacat ctttggaagt ccatgttaca ttttggcaga tagagagcaa 240

aggagaaaga tggatcccaa gagtgatgca ggaatattcc tgggatactc tacaaacagc 300

agagcatata gagtattcaa ttccagaacc agaacagtga tggaatccat caatgtggtt 360

gttgatgatc tgtctccagc aagaaagaag gatgtcgaag aagat 405

<210> 15965
<211> 361
<212> DNA
<213> Glycine max

<400> 15965

aatgcagtcg atcgataagg ttgcaattgt agttgcaatg tgaatgcaga tattcctaat 240

tttgtttgtt acatacattt atatctaggt cttcaaagat gtggaaagag ttgcatgctg 300

aggtggatca attacctcaa gccagatata aaaagaggaa actttatcat ggatgaagac 360

c 361

<210> 15966
<211> 349
<212> DNA
<213> Glycine max

<400> 15966

atcttgttgc ttatgttgaa aagcactacc acggaaactg gcattcagtg cctgacaaag 60

cgggtaataa aactttttg tattcctttt tactcaatct atgaattgag gttttaaatt 120

gcggttgcaa atacattcta gatttgtgat gatccttgat attgtgggac attgtacaca 180

aatgcagtcg atcgataaag tagcaattgt agctgcaatg tgaatgcaca tattcctaat 240

tgtgcttgcc acatacattt atatctaggg ctgtaaagat gtggaaagag ttgcatgctg 300

aggtggatca attacctcaa gccagatata taaagacgaa acttcatca 349

<210> 15967
<211> 352
<212> DNA
<213> Glycine max

<400> 15967

cttcaacttc tgacgacttc cagggtgctg gaactacttc acatggattt gatggggcct 60

atgctagttg aaagccttgg aggaaagagg tatgcctatg ttgttgtgga tgatttctcc 120

agatttacct gggtaaactt tatcagagag aaatcagaaa cctttgaagt attcaaagag 180

ttgagtctaa gacttcaaag agagaaagac tgtgtcatca agagaatcaa gagtgaccat 240

ggcatagaat ttgaaaacag caggttcact gaattctgca catctgaagg catcactcat 300

gagttctctg cagccattac accacaacag aatgggatag ttgagaggaa aa 352

<210> Glycine max

<400> 15968

taaacattca atttcgaggc tctcgatata ttacttttact taatcaagca tcccaaaaaa 60

aagttattgt cgtttgaatt tgctcacaga ttcaacattc aattttcgagc gtctcgatat 120

attacgggac tcaatcaaac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180

cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240

aaaagctatt gtcgtttgaa tttgctcaga gattcaacat tgaatttcga gggtctcgat 300

atcttacggg actcaatcag acatccgagt gaatagttat tgtcgtttga attggctcag 360

agcttcaaca ttcaatttcg agggtctcga tatattac 398

<210> 15969
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15969

ctttatgcaa gtcaattttc aggaggtatc tcggagagga tcttttccgg gcatatttgc 60

gcaaaatctc ttgaactagg aagatgttgt ccatcatctt tctgttctta atgaaaccag 120

tttgagtttc tccaataata gtctcaagca ctagggctat gcgattgacc aaaatttttag 180

acacaatctt gtataacaaa ttacagcaag atatgggtct aaaatggtta acctgngagg 240

cctgatcatg cttatgaata agcgcaataa tagcatggtt gagctgcttt agaatttttc 300

tagttgtata gaattcatta acngctgcaa atatatcatc accaatgata tt 352

<210> 15970
<211> 431
<212> DNA

<213> Glycine max

<400> 15970

agcttgcgag ttcaattacg agtgcctgta tattgatgcg cctgaatcgg acatacgagg 60

[illegible]

[illegible]

gttgaatagg ttatgaccat ttgaatttct agagagctta cgttgttcaa tttcgagtgt 300

ctcgacatat tatgcgcccg aatcggacat ccctgggaaa cgctatgact atttgaattt 360

ctcgagagct tccgttgtgc aatttcgagc gtttgaacat attgtgcgcc cgattcggac 420

atccagggga a 431

<210> 15971
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15971

atcttctcga gaaattcgaa tggttataac ttttcacaca aatgtccgat tcggggacat 60

aactcatcta gacgctcgaa attgaacaac gcaagctctc gagaaattcc aatggtcata 120

acatttcgca caaatgtcca attctgggac ataatatatc aagacgctcg aaaatgtatt 180

acggaagctc ttgggaaatt caaatggcca taatttttca catggatgtc cgatttggga 240

aaataatata tcgagatgct cntaattgaa caacgaaagc tatcgagaaa tccgaatggt 300

ccgaactttt cgcacggatg tccgattcgg ggacataact catctaga 348

<210> 15972
<211> 312
<212> DNA
<213> Glycine max

<400> 15972

agctttgcta tgtataacaa tctcacctct atactgggag gaaccagtgg tctcttccct 60

ttcaactctc tagttaagaa gtccagtttc ttttcttcat cccattcact gtacgtgccc 120

atatccaaat accttgtaat tacatcaatg gtttcagcat gtctgcttga ttcctgtcac 180

actgctagtt tcaggccaca actgattatc caaacaataa tgaacaaaaa actttgaaac 240

atacctgacg caagtcaagc ttcattaaca ccatgccaaa agtagcaact cttcgatcag 300

atcagctagt cg 312

<211> [illegible]
<212> [illegible]
<213> [illegible]

<400> 15973

ttaaaagatt ggctaagatt ttgttaacac ataatcactt agactatgaa ggagagctgg 60

agttgctgca catgatgtcc aacgttatat caaggaatga gatcgggctg cacaatgctc 120

aacgctagat gaactgtcac atgaagtatt gaagctgcac gatccacgat gtctaatata 180

atgtcctgac atgctgcccg ataatactgg acttgctgct caatgcaaga tataagtcaa 240

gtgctgaact gaagttgcat gatccacgac gtctgataca atgtcctgac atactgcccg 300

aaaatactgg agtcgctgtt caatgcatga ttacagtcga gtgcaaaatt gatgctgcat 360

gatccacgat gtcagacacc atgtcctga 389

<210> 15974
<211> 394
<212> DNA
<213> Glycine max

<400> 15974

tagcaaatta gaatatttat acctttctgg aaacttccta gtgggccagt tgccatcatc 60

attgttttggg ctaactaagc ttagtgattt agattgttcc gacaataaat tagttggccc 120

aatgccagac aaaattagtg gactttaatt tctaatttaa tttatctgga tttgtctggt 180

aactccctgc acgaaacaat ccccatttat ctggatttgt ctgggaactc cctgcacgaa 240

acaattcccc aatggtgctt ttctttgtca tcgttgttac gcttatctct ttacggaaat 300

cagcttacag gaccaattgg tgaattctct tctttttcct tgtattattg tgatctctct 360

tataacaagc tacaaggtaa tatcccaact caat 394

<210> 15975
<211> 314

<212> DNA
<213> Glycine max

<400> 15975

[illegible] 60

[illegible]

[illegible] 300

[illegible] 314

<210> 15976
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15976

tgtgcaatgt ctgaaattgc gagtatttan gaatatgaaa ataagcagaa ttaagaatcg 60

atgtataacg tcacggggtt gaatgaataa actgaattaa tattataaaa tttggttttg 120

tactttttatt gtctacataa aattacaaca ccaaatttttt agaggatgcg atgtaaagaa 180

gttttttgaat tttgatggac gatgtaaaga agtttgtttt attaagttgt tgaaactcaa 240

atgttttgcat tgtaaaaatt gtcaaaactc attgttatta aacttttact taaattactt 300

ggtaaacgaa aatgtataaa tggttaattg tttccttaat aacgaaattc tatttgttaa 360

atttaatagt atatttattg aaggaaattg tattact 397

<210> 15977
<211> 347
<212> DNA
<213> Glycine max

<400> 15977

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagcta 60

gtgaagaaga atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgcta 120

aaaaagaagg ctctctaagg cacctgttct agctcttcct aactttttta aaactttgga 180

gctagaatgt gatgcctctg gagtgggagt tggagctgtt ttgttacaag gtgggcaccc 240

tattgcttat tttagtgaaa aacttcatgg tgccaccctt aactacccta cctatgataa 300

agagctttat gccttaataa gagcactccg aacttgggaa cattacc 347

ttcatgactt gcaatctttc tatagaatgg tgacttatac gaaaatgcca caaatctata 60

gggatgacat tacattttgg atgggtaatg gcggagcata tggatcttga atgtgatggt 120

ttcaaggtaa gctgataaag cccatgactc acttcaactg taccaatctt cgctttggtg 180

ttgatatcct gcaaaacaca agtattagag gagaagatta actcgtagct gtttgtggaa 240

atgagtttgg atatggatat gagattaaag ctaaaagaag gtatgtatag aagatctttc 300

aatgtaattg aagaggtgag atggacggtt cccgagtggg tggcatgaac ttcgtgtcca 360

tttggtaact taactagaat gggtttaat 389

<210> 15979
<211> 400
<212> DNA
<213> Glycine max

<400> 15979

tctgtaatcg attaccagaa gcaaaaatga ctttgaaaag ctttcaaaaa gtttgaattt 60

taatttttaaa agatgtaatc gattaccact attgtgtaat cgattaccag tgacagaagg 120

ttttgaaatt caaactgaaa agacatgact cctcaaaaat taattgtgta atagattacc 180

acagatctgt aatcgattag cagtgagaaa atttcaaaaa taactctgaa aagtcacatc 240

tcttcataag tttttgaaaa gccaccaaag gcctataaat atgtgacttg tgttcgaaat 300

tctggagagt tttttagaac ctcattgtct tattctctca taagaaaacc ttgggccaca 360

cactttcaaa acaattaagg attcatataa gttcttcaag 400

<210> 15980
<211> 400
<212> DNA

<213> Glycine max

<400> 15980

tgtaatcgat tacacacata cagtaatcga ttactttagc acattttcaa aaaatattct 60

[illegible]

[illegible]

[illegible]

tcttcttcat tctgaaaagg gattaagaga ccgagggtct cctgttgtga aagaattcta 360

aacacaaagg aagggttgtc cttgtgtgtt tagaacttgt 400

<210> 15981
<211> 363
<212> DNA
<213> Glycine max

<400> 15981

agcttgagag ggttatggac cgaacgatag aatgtcttat ccaaaataaa ctgtatgtag 60

atagctgaag tcttcttttt ggctcagaac gatcaattgc tgtgataagt cccttaactc 120

ctgcctgaca aagatcttga aacctccggc cacttgcaaa atcttgaaaa tatttgctaa 180

tcacgaacaa cacaagccgg agattgtgct gcaaccgaca tcacaatggt ttcttaatct 240

cagtataact aatactcatt ccaaagaata tcaacaaaca ctgcaacaat taaaccattc 300

atatccaaag agacaaagag agagaagaaa tatgaacgga gatgtcatat atcactgatc 360

ttc 363

<210> 15982
<211> 398
<212> DNA
<213> Glycine max

<400> 15982

tatcagaagg ggaatggtaa aataccacct caagctgata tattaaggt ggcaaagtgt 60

ttcttttgca agaagaaggg acacatgaaa aagaattgcc ccgggttcca gaaatggctt 120

gagaagaaag gtaaatcaat ctcattagta tattatgaat ctaatatggt tagtgttaat 180

attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacagggt 240

atgcaaaacc taaggaaacc agtgggaagt gagcaaagca ttttatcagg caataagcta 300

ggctcacatg tggaggccat tggaacttgc attttgactt taagtagtgg ctttatttca 360

<210> 15983
<211> 368
<212> DNA
<213> Glycine max

<400> 15983

agctttgaga agtagtctat tgcttttctc tcatagccat tcatggcaag tgatattata 60

atgaagttcc aacatgataa tcctgttgtt gtgggtgatg cccgaaacac ttgaataccc 120

tttacgatag ctccacactt gcagtacatg tcaataatta ttgtgagaac aacgacattc 180

aactcaaaat tccccttttt acataatcat gaacccactc cccatgttga agtgcaccta 240

agtgagcata aacacttaac aaactcatca ctgtaaattc actaagctga acccttcgtc 300

tctgcatctt gcggaaaagc tccaatgcct ccataagccg tttattcctt acatatccac 360

taatcata 368

<210> 15984
<211> 403
<212> DNA
<213> Glycine max

<400> 15984

tatagaatat ataataaaag aacaatgaca attgtttagt ctattcatgt ttcctttgat 60

gagtctaatg ccattcttcc aaggaaggat tttttagatg atatttcaga ttccttagaa 120

gatacacata ttcatggaaa tgactctaaa gaaaaagatg aaggaagcaa tgaagattct 180

caagataatg gagttagaac aaataatgaa cttccaagag aatggaaagc ctcaagagat 240

catccgctcg acaacattat tgctgatata tcaaaagggg taacaactag acattctctt 300

aaagatttat gcaataatat ggctttttgta tctatgattg aacctaaaaa tataaaagat 360

gccataatag atgataactg gatcattgcc atgcaagaag aac 403

<210> 15985

<211> 317
<212> DNA
<213> Glycine max

<400> 15985

[illegible]

ctagtacttt attgaaatat gctttttgaa aaaaggcttaa cgatccttgt gatctatttt 240

ggaaatattct atttgtatca catacgttgc ctcacccatt tccttcattc aaagttacta 300

taaagaacct ttttagtc 317

<210> 15986
<211> 363
<212> DNA
<213> Glycine max

<400> 15986

agcttatgct gcaaacattt ataatagacc tcctcagcag caaaaccaac aatagcagaa 60

gaatttatgac ctttcaagca atagatacaa tccaggttgg aggaatcatc caaatctaag 120

atggacaagt cctccacaac aacaacagcc tgtccctcct tttcagaatg ctactggtcc 180

aagcaagcca tatgttcctc ctccaataca gcaacattca caacaaaaat aaataacccc 240

ccctaattcg ttactatttt attactatct gttatgaacg tttggttgac cattgctcgt 300

taggagatga cctatgatca cttcctagat actgcatttt taatgtttat ttgatttggg 360

tgc 363

<210> 15987
<211> 385
<212> DNA
<213> Glycine max

<400> 15987

tgaggtattt gtgccatagt aggccagata tttcttatgg tgtgggcttg ataagcagat 60

atatgaatga ttcgaggact tctcatatgg ctacaacaaa gagaatttta agatatgtga 120

agggcacact tgactatgga ttgctattct ccaaatcata tcataatcaa agaataaggt 180

taattgtttt ttctgatgca ggagtggtga tgtagaggac aacaaaagca ccactggata 240

tgtcttcaaa ttactttggat caacaatctg ctggagttct aagaaacaag aagatgttgg 300

acatttcaact tgtaagtcag agtacatggt tgctgtctta tcagcttgac aattagcctg 360

<211> DNA
<213> Glycine max

<400> 15988

tctggtggga catcttgact tgcttttcaa tctgacattc acttctagat tctgccttct 60

tctatttttca gattgggaat gcctctcaca gcaccttttgt caatgatttt cttcatgcct 120

cttaagtgca gatgtccaaa tctttgatgc catattttga cttcatcttc tttggaggat 180

agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacaatt gtcctttgat 240

ctgctgccct tcattagaac ttcactcttc tcatttgtca ccaagcattc tgactttgtg 300

aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt 360

ccctttcacca gcagtacttt gtccagacta ggaagt 396

<210> 15989
<211> 398
<212> DNA
<213> Glycine max

<400> 15989

tctcaacgcc ctaaacccca gaaaccccaa ctaataaaat tattccaaaa aaaattaaaa 60

aaaaataaac gcataaaaac cctaatgcac cagaaaattt caggaaaaaa aaaaacctac 120

caacacaacc ccatctttgc acttgatccc aataacagtc ctgcaacaaa gtttcaaatc 180

taagatcact accaatacaa aaattacaaa atcatttaaa aaaaaaaaac atactcataa 240

ttattaaata aactctttct ttcaatttta aaaccacgaa tttaaaagta taataataat 300

aataataata ataataataa tgataagtac caacccgctg ttgtcgacgg ctttagcggc 360

atactcgatc tggaaaacgc ggccatcagg ggagaaag 398

<210> 15990

<211> 348
<212> DNA
<213> Glycine max

<400> 15990

[illegible]

[illegible] atgtctcgag atcttccgtg gttcaatttc 240

aggcgtctcc atatgtcatg tgcctgaatc ggacctccgt aagaaaattt atgaccattt 300

caactctct agaagcttcg tagttaattt cgagcttctc gatatctg 348

<210> 15991
<211> 382
<212> DNA
<213> Glycine max

<400> 15991

tgtgcattca atatcctgat gagggtgttc catatgttct caagactgga ctaatacatt 60

tgctgcccaa gtatcatggt cttgcaggtg aagatcctca taagcatctt aaggagttcg 120

atattgtctg ttccaccatg aagccccctg atgtccaaga agatcatatc tttctaaagg 180

ctttttcctca ttctctagag ggactggcaa aatattggtt gtactacctt gctcccaggt 240

ctattttcag ttgggatgac cttaagaggg tgttcttgga gaaattcttc cctgcatcta 300

ggaccactac catcagataa gacatttcaa gcatcacgta acttagtgga gaaaacttgt 360

atgagtactg ggaaagattc aa 382

<210> 15992
<211> 363
<212> DNA
<213> Glycine max

<400> 15992

atcttcataa ggccttgtat ggtttgaaat aggctcccag agcctggaac aagagaacag 60

atacttttct cttacaagtt ggattcatga gatgcactac tgaatatggt gtgtatgtta 120

aaagagaaag tctttcagac atcctcatag tgtgtttata tgtggacgac ttgttgataa 180

caggaaaaga tttcaatgct atctcgacat ttaagcaaga gatgaaatct gaatttgaaa 240

tgtcagatct tagagaatta tcatattttc tgggcataga gttcaagagg acaaaggctg 300

ggatttttat gcaccaaagc aaatacacaa ctgatgttct aaagaggttt caaatgtttg 360

<210>
<213> Glycine max

<400> 15993

tgccagcagc aacagatttc ttgagatgaa cgaggacaag cttcttgtag gttgcaggca 60

actccttgtg cttccttccg atgtatttgg ttatcgcgta ttggctcgaa ccgggttctct 120

ctttcagact cgcaatcgcc tctgctatca tctacagaat aatcaaatta aatacaattg 180

gaaaagaaat aaactaagag aattgatttt gaaggagagt attttgggaa agtaccacgg 240

cgaagggagg gtgggagagg ggcttcttgg acgacgccgt tttcttggcc ttgggttgcg 300

atgcggtaga catgatgatg gcttgattga aactcaaaac gaaaaaggag taaccgttgt 360

tgaaattgaa acaagagata gatagaaatt ctgagagaga g 401

<210> 15994
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15994

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgctta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tttatcagag agaaatcaga caccttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaaa actgtgtcat caagagaatt aggagtgacc 240

atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatc acaccacaac anaatggcat agttg 345

<210> 15995
<211> 393

<212> DNA
<213> Glycine max

<400> 15995

[illegible]gttacctc cttcttcaat acatcaagaa tcatcgggtt gagtcttctt tgtgggctgtc 60

[illegible]

[illegible]tatccaagta agcatatttt aaattttgatg gcagaggctt caattctggt gtgggcggct 300

gtatcaatggt agaaagagat ggtttctcag cctgtacctc ataaagaaag tcagaggtat 360

gtgtacttcc tgaaacatgg ttaattctat ctg 393

<210> 15996
<211> 347
<212> DNA
<213> Glycine max

<400> 15996

atctttttga acgtcatggg aagatcacaa aggtggttct tccaccacca aagtctggac 60

aggaaaagaa cagaattggc tttgtacatt ttgcagacag gtcaaatgct atgaaagcac 120

tgaaaaacac tgaaagatat gaattacaac gtaacatatt gtccagcctt ttgtggttat 180

ttatatgtgaa tgttggtcaa taatatttaa ggtttgttct acgtttcagg tcaactttta 240

caatgctctc tggcaaagcc acaggctgat caatagtctg gaggatcaaa cacacagaag 300

ccaggaccag gattgcttcc aagctatcca ccccatgttg gttatgg 347

<210> 15997
<211> 324
<212> DNA
<213> Glycine max

<400> 15997

agcttctgtc ctttgctaac tattggactg aatctcggtc cgggcaatta aaaagatggg 60

attgtacctg ccgaggaaga gggcttcttc gagggcgcag cggaggctgg attcctggtg 120

gtccaagccc tcgcaagatc cacagtgttt tccgggggcag tcgatgcggg tgccccaata 180

caggtacttt tcgaagggct gttgttgtcg tcgctgtaag aagttggctt tcgagacggt 240

ggtggaaaga agagaggaga acaggaagag aagcgcaatc gctgtcactg ctgccgcgag 300

gagcagaatt cgggatctcg cgga 324

[illegible]

[illegible]

tcaagaataa tggcctcagc atggtggctg gaaatactac aatagagaaa cctagagaag 60

agtggtctga agatgaaaga agattagtgc agtacaattt aaaggcaaaa aatattatta 120

cttttgccct aggaatagat gaatatttta gggtttcaaa ttgtaagagt gtcaaggata 180

tgtgggacac tttacaagtt acacatgagg gaacaactaa tgtcaaaaga tctaggataa 240

atacttcaac tcatgagtat gaattattta ggatgaagac aaatgaaagt atacaagata 300

tgcagaaaag attcacacat atagtttatc atcttgcatc attaggaaga acttttcaaa 360

acgaggatct cataaataaa gtgttaagat gcttaagtag agaatggcaa ccaaaggtaa 420

caaccataac agaatctag 439

<210> 15999
<211> 442
<212> DNA
<213> Glycine max

<400> 15999

agcttgtatg agtactggaa aagattcaag aaattgtgtg caagctgtcc tcaccaccag 60

atttctgagc aactccttct tcaatatttc tatgagggac ttagcaacat ggagaggagt 120

atgattgatg ctgccagtgg tggagctctt ggtgatatga cccctgttga ggctaggaat 180

ttgattgaga agatggcttc taactcctaa caatttagta caagaaatga tgctattgtt 240

cttagaggag tccatgaggt ggccacgaat tcatcttcat ctactggaaa taaaaagctt 300

gatgccttgg tcaacctagt aattcagctt gccatgaata aaaaatctac accttttgca 360

agagtctgtg gtctatgttc ttctgcagat caccatacag atctctgtcc ttctttatag 420

caatctagag tcaatgagca ac 442

<210> 16000
<211> 447
<212> DNA
<213> Glycine max

<400> 16000

tttcgatttg gtatcccata aacacttata acaggtcaag gcaccatttt tattgatcga 240

aaagtggttc aatatgtcaa ttcttcaaaat attaagttag taacttatac cccttattat 300

gcttcaagcaa atggtcaagg tgaagccata cacaagaatt tggtaaggtt aattaagaaa 360

tatggccaaa aacctagaag ttagcatgaa agtttagagc aaatttctcta tgcttatcaa 420

aattcaccaa aaggggggcca ctattgt 447

<210> 16001
<211> 433
<212> DNA
<213> Glycine max

<400> 16001

tatcaaaacat tagtcataaa gtgataagga ggtgatttct tcaaatagat cattagcaga 60

aaagaataat aattgttcac acttcacagg aaacaaaagc tatgaaaagg actgaaaatt 120

taaaacagcag aatgagtttg tacctgtaca aacttggcaa agccagaccc aagaggggat 180

ccaatgtaca gagccattga agctccattt agcaaggatg cgtatactag ccatggcccc 240

atcatccgtc caagattagt gggccagcac actacatcac ctttacgaac gtccatgtgg 300

caccatgcat ctgcagcagc ttttagagag taatattggt ccatggaatt gcctttggat 360

cacctatacc accaaatgag gtacattata ttagcttttg gctagcttca tatggtgagt 420

taaagtcttgg tat 433

<210> 16002
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16002

tgcttgtaat cgattacaca catactgtaa tcgattacca gaggagattt tcagaanata 60

ttcttaacag tcacatcttt tcatttggtt cttaaatggc tatcaaaggc ctatatatat 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

aacataaagg aagggttgtc cttgtgtgtt tcagatcttg taataggaat ttacaagata 420

[illegible] 431

<210> 16003
<211> 436
<212> DNA
<213> Glycine max

<400> 16003

agctttaggc taatataaac gacaataact atctactcgg atgtctgatc gagtcccgta 60

atatatcaag acgctcgaca ttgaatgttg aacctatgag cccattcaca cgacattaac 120

tatttaatct gatgtgtgat tgaatcccgt tatatatcga gacgctcgaa attgaatgtg 180

gaagctttac gcaaattcaa actacaatga ctttttactc agatgtttaa tcgactccag 240

taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca tacgacaata 300

actgtttact cggatgtctg attgagtccc ataatatatc gagacgctcg atattgaatg 360

ttgaacctct gatccaattc atacgacaat aactttctac tcggatgtcc gattcagtgg 420

tgtaatatat cgggac 436

<210> 16004
<211> 435
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16004

agcttctggg aaaaatccac gagttnttcag tatcaaaact cctagtgttt cattggaatt 60

aggagtaacc tacagtaata acaaattatc tcatgaatat atcattccaa ggctcattat 120

ttctcacgaa acttattcac cattagaaac aaagaggatt taccttttct caactatgac 180

caagaaattc attcacagct atagcattct gtccatacat cagtggtgag gaccagtaac 240

ttcatacaaa ctatttgtgc acattctctg gctcanagaa cagaattatc atgataaagg 300

<210> 16005
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16005

ngcttaacaa aaggcatgca aagtgggtgg aattcctaga gcaattcccc tatgttatca 60

aacataaaaa gggaaaaggt aatattgtag tcaatgatct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagaatg tatgaaaatg 180

atgaatcttt tggagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ntgtgaagca catgaaggag gtttaatggg gcattntggg gtccaaaaga 360

ctctagaaac attacaagaa cattnntatt ggcctcatat 400

<210> 16006
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16006

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atttgtattt tttgtgggtg attgtgtttt tacatggagt tctaagaaga aaggcattgt 120

gacactttct atttgtgaag ccgagtatgt agctgcaact tcttgcacat gtcatgccat 180

ttggctaaga agattgttgg aggaacttca gttgttgcaa aaggaaagca caaagatcta 240

tgttgataat agatctgcac aagagcttgc caagaatccg gtgttccatg aacgaagtaa 300

gcatatagat acaaggtatc atttcattag agagtgcatt accaagaaag aagtagaatt 360

gactcatgtg aaaactcaag atcaagttgc ggatattttc accaagccta tcaaatttga 420

agagtttcga a 431

<223> unsure at all n locations
<400> 16007

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attaactcct ganaagccag gaacattgaa cctttgaccaa agattaaata tcatgattga 120

tgttgcttct gcaatacatt atcttcatca tgaatgtaag gagtcgatta ttcattgtga 180

tattaaagcg agtaatgtac ttcttgatga tgatatgact gctcacgtga gtgatttttgg 240

cttaacaaga cttctttcaa ctattaatgg tgccacttct aagcaaacaa gtacaattgg 300

aataaagggg actgttggct acattcctcc aggtatgttc taaactccca aaaaattgtt 360

tctttgattt cttccctttt gatgaaaaac tgatatnnta ctaactacaa gtatggggca 420

atnnttctat at 432

<210> 16008
<211> 434
<212> DNA
<213> Glycine max

<400> 16008

tcacacaatt tatttttttt tatcaaactt gagttttgga aaaccaatta ctaagacttt 60

cctaactaga tgatttaaat gatgcatgtt aatatgtgca gccctatgat gccacaatca 120

tgaatcatct atcttactca ccaagcaact tagctcatga aaagatacat gttcaacatt 180

caacatatag atattaccta ttctcttact gatctggaca actttaccgg atatggcttc 240

acttataaga catcaatttc tattgaactc tattttgaac cctttatcac aaagttgact 300

aatgcttaga aggttatgct ttagtccatc cacatataac acattcttaa tctgagtttt 360

atgttgattc cctatatcat gagaatcatt attttccttt tgttgttgtc tccaaacatg 420

accatagttt ggac 434

<210> 16009
<211> 431
<212> DNA

cccgacgaat agactgacaa aagcttattt tctccttttt ggacaaagta tggcacgctg 120

tgggcaaata aattctcttc ccatcagacc ttggatgcaa ctgtgatcgt atgcccatat 180

tagctagatg ttgacgggta ttcaagccat ccttcatctt gccttgaatg ttaaggagcg 240

tacccaatcac actgtctcaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

ggtcacgatc agaccagcac ggaagatcaa agaaaataga cctcttcttc catatgcaac 360

tcttactttt atccttcttt tgggacttcc cagatatagg atgtaagtgt ggaacccgct 420

catatacctg c 431

<210> 16010
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16010

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cttaccacct tgtggtaatg cttgttatta agccatccat canagacctt ataaggctta 120

ggaccccaat caatgctctt agatttcatg aggatagggc agtgatcaga gtagttcctt 180

tcaaggttgt gctgcgaact gtctggccac ttagaaagcc aaccatcaga gacaacagct 240

ctatccaatt tgcttttaca ggaaccatta ngcctaaccc atgtgaactg cttacccaca 300

ctangaatat cttccacctc catgatagca agccaatcat tgaaatctga catgatgctg 360

gactctgaat tccatgatng cttccatctc tctgaaggtg cctaatacat aaaat 415

<210> 16011
<211> 425
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16011

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[illegible]

[illegible]

ggaggttgtac aaaaagtggg cagggggaaa tatagtgaag tttttgaaag cataaatatc 300

aatagaaatg agcgctgtat aatcaagatt ctgaaacctg tcaagaaaaa aaaggtactc 360

nttttttttgc ttgtnttatc ctagtttact cntacctgcg actgtgaata agccagcaat 420

gatgc 425

<210> 16012
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16012

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gcatgtttgt gaaaatctta ccacaactat gctcctccag aaagattata atttgacata 120

ttttatgtca chgtggttca tgcacaataa ctaactctcc tataggtgtt catagcgctt 180

attatttttа atatattatc ataatgtaaa atctattgac taaacttata taattattat 240

gctatattat gtatcattaa aatntgtgta acatatttat gttgaaaatt attaattatg 300

tactttttatt aggaatgatt aaggaagata atataatcaa ccttttttgt aacataatag 360

tgcatagtgc ctcacttgat atataacatt atttttaaga atattgcta 409

<210> 16013
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16013

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gaaagatgaa tggcagtgga atggagaagg aagagagagg agatgccact tcaacgagaa 120

gatgagttta gaagaagctc accaccatag gaggccatgg ataatagctt ggaggaagaa 180

ggagatgaat gaagggagag gaagagaaga gcacaaattt ttgtgctcta aaagagctct 240

[illegible] 300

[illegible] 360

[illegible] 420

gatagtg 427

<210> 16014
<211> 430
<212> DNA
<213> Glycine max

<400> 16014

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tgcacctatc gccagacttt gtggtttatg ctcctctgcc gaccaccaca cagacctttg 120

cccttatgtt cagcaatctg aagcaattga atagcctgaa gcttatgctg caaacatcta 180

caatagacct cctcaacctc agcagcaaaa tcagccacaa caaaacaatt atgacctctc 240

cagcaacagg tacaatcccg ggtggaggaa tcatctcaac cttagatggt cgagtccttc 300

acaacaacag caacaataac aacaacaaca acaacaacag caacaacaac cccagaaaca 360

gcaaccaatt gagactcctc cgcaaccttc ccttgaagaa cttgtgaggc aaatgactat 420

gcaaaacatg 430

<210> 16015
<211> 423
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16015

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atatatcgac acgctctaca ttgaatgctt atgctctgag caaattcaca cgacaataac 120

tnttttactcg gatgtctgat tgagtcccgt aatatatcga gacgctcgaa attgaatgtt 180

gatgctctga gcaaattcaa acgacaataa ctttttacac ggatgtgtga ttgagtcatg 240

taatatctcg agacgctgga gattgaattc tgaagctctg agcagattcg aacgacaata 300

actatgtact cggatgtctg attgaatcca atgatatatc gacacgctcg aaatagatca 360

<211> [illegible]
<212> DNA
<213> Glycine max

<400> 16016

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tttaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120

tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180

aactttgga gaaatttta aaaattgtga aaaattttca gaaaatggtt tctttagaca 240

tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattc 300

tcttgtttgt gaagcacatg aaggaggttt aatggggcat tttggggtcc aaaagactct 360

acaaacatta caagaaacat tttattggcc tcatatgaca aaggatgtgc agaaattttg 420

tgaacattgc attgtatg 438

<210> 16017
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16017

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tgaatttatt atacatagta tatatttcca ttcagccttt tatataataa agttggcaat 120

tgacatatat attttcactt ttttatgata tggagagtca tgagatgttt tgattattga 180

ttttattctg gatactttta gtatcattcc ttaagactat tgaagtgtgg aaagagctgc 240

atactaatgt ggattaacta tctaaggcct gatatcaaga gaggctattt ctcaagtgaa 300

taagaggaaa ttatcattaa gatgcatgag ttgctgggga acaggtatat attcgtcgat 360

tcattcttca gattaatggc attaatgatt tgtcttaatt aataatagaa agttcgaaca 420

gaatattagt antangttat taccatgaa 449

tatcttatca catatggaga cgcctgaaat tgaaccagag aagatctcga gaaattcaga 60

tggtcataac ttttcactca gatgtccgat gctggcgcat agtatattga gacgctcgaa 120

attgaacaac ggaagctctc aagaaatgta aatgatcata aatattcact cggatgtccg 180

attcaggcgc atcatatatc gagacgctcg aaattgaaca atggaatctc tcgagaaatt 240

aaaattgtca taactttttca ctcgcatgta cgattcaggc acatcagata tcgagacgct 300

cgaaataaac aacggaacct ctcgagaaat tcaaatggtc ataacatttc acactgaggt 360

ccgattgatg cacatcacat atggaga 387

<210> 16019
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16019

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aaccaagaaa gctcgaatga ttctacagaa ccagagacaa aagtaagcaa ggtactccat 120

caatttgcac aaagaaaatt aaacatactg tagattaaga agattgagaa aaacaaacct 180

ctctctaaca gcactgccag acaacacacc accatatgca cggttcacag tccttcggtt 240

nttgggtaac cttgatctct tatattctgt tggccttaaa tgtggaatct gcaattgcca 300

agcattaata accattatgt tataccgtgt atcattcata cataatcctn taccaatcat 360

agaaagaaaa anctagttgt aggaaccttg aacatcataa tcttaactnt taag 414

<210> 16020
<211> 431
<212> DNA

<213> Glycine max

<223> Insure at all n locations
<400> 16020

tacanattcg tggagaanaa cagatttaag ttttttctgta ttggataagt cagggatctc 60

[illegible]

ttattgacaa ctctctcatg tacctttaca aattgaaaga aaaattagca tgtatgcaac 300

attcatacct gaacccccgtc ccaaggcttt ttaagcttgc tatcaggcat gtggagctct 360

acaatntgtt cagcacanaa gttagacggc aaagacttga gatagaatct atcccattca 420

aggtacatca a 431

<210> 16021
<211> 431
<212> DNA
<213> Glycine max

<400> 16021

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ccatgtgaat ttctcgagag cttcctatgt ttaattttga gcgtgtcgat atattatacg 120

cctgaatcga accttagtgt agaaagttat gaccatttga atgtctttag agcatccgtt 180

gttcatttttt gagcgtctct atatgtgatg aggctgaatc ggacctccgt gtgaaaagtt 240

atgacctttt gaatttctcg agagcttccg ttgttcaatt atgagcgtct cgatatatta 300

tgcgctcgaa tcggacatgc atgggaaacg ctaggactat tcgaatctct cgagagcttc 360

cggtgtgcaa ttgcgagcgt ctgcatatat tatgcgcggg aatcgcacat acaggggaaa 420

cgttatgacc a 431

<210> 16022
<211> 417
<212> DNA
<213> Glycine max

<400> 16022

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cacttgtcat tttgctaaac aaaagaggat gcctttccct gacaacatta ttgtttcctc 120

ccaatatttt gatttgttgc acatggatat atggggctct tatgctcatc cttcattact 180

tggtcataaa tattctctta ccatcgttga tgacaaaaac atatatacat ggattatttt 240

<210> 16023
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16023

tctaaaagat ttgtgcaccc acaaaaggaa gctatttgca atgaaaggat tagcatgggc 60

agaaatatgt cagcatttat aggtaaattt gttcctcaca ttcctgagaa atgtaaggac 120

ccaggtactt tctgtatacc ttgcattatt gggaacagta aatttgagaa tgccatgcta 180

gatctatgag catcagttag tgtcatgcct ctgtccattt tcaattcttt atctcttgga 240

cctttacaat ctacagatgt ggtgattcat ttggcaaata gaagtgttgc ttaccccaca 300

ggtttcatag aggatgtgtt ggttcaggtt ggtgaactta tttttcctgt tgattnttat 360

gttcttaata cggaagaagg attttcccat ggtttagttc caattatt 408

<210> 16024
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16024

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ataggttgga cctttcagaa gagtatggag ttagcaccac ttttaacatt tctgatttaa 120

ttcctttgt aggtggagct gatgttgagg aggaggaact aacatatttg aggtcaaatc 180

ctcttcaagg gggaaggggat gatgcaatcc tccctaggaa gggaccagtc acaagagcta 240

tgagcaagag gctcttaagag gattgggcta gagctgctta agaaggccct acggttctta 300

tgaacctcaa ggtagatttt tgagcccatt ggacaaggtt gggtccaatt atctntgtac 360

atatttgatt angatgtcat tatatttggt cettgt 396

<400> 16025

agcttgataa tggaggattt ccttgagggt cctctcttat gcaatcatgg aacacaactc 60

caaactcaaa aatggaggac acatgaatga caacgccatt cattcatggn gctccgataa 120

agggtaagaa tggaggattt gcttgagggt cctctcttag gcaatcatgg aacacaactc 180

catactcgaa agtggaggac ccacgaacag gcctaagcaa tagcattcat gtggctccga 240

aaaaggatga gaatggagga ttgccttgag ggtcctctct tangcaatca tggaacacag 300

ctccaaactc gaaaatggag gacacatgaa tgacaacgca attcattcat ggtgctccga 360

aaaagggtga gaatggagga tngccttgag ggtcctctct tatgcaatca tgatacac 418

<210> 16026
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16026

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agacctccaa tctttaatgg agagggttac cattactgga naaccgaat gcaaatnttt 120

attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt anaagccaaa 300

aatataataa catctgccct gtgaatggat gaatatttca nggtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacagat gttaaaagat 420

ctangatata tgcactaact catga 445

<210> 16027
<211> 433
<212> DNA
<213> Glycine max

<400> 16027

[illegible]

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atttgtggag ccaaactttg gagccaaaat ttcactaatt atgattagtg aatttaagct 300

atggttcata ccactaatta aagatcaagt ccaagattct ccactaagta tgcttaggtg 360

gcatgaggca tgtaaagcat gaagcacatg cacaaagtgt gactatatga tgtggcaatg 420

tgggtgtagca agc 433

<210> 16028
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16028

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gataatagca tcatttcttg cactgaattg ttgggagttg gaagccatct tctcaatcaa 120

attcctagct tcagcagggg tcatatcacc aagagctcca ccattggcag catcaatcat 180

attcctatcc atgttgttaa gtcccctata gaaatattga agaaggagtt gctcagaaat 240

ctggtggtta ggatagctng cacacaattt cttgaatctt tcctagtact catacaagct 300

ntctccacta agttgcctga tgccttgaaa tgtcttttctg atggcagtgg tcctagatgc 360

anggaagatt ttctccaaga acactctctt aggtcatccc agctgaaacg gacctgg 417

<210> 16029
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16029

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agaatgtcat ggatcactgt atataccaga aggtcagtgg gagtaagatt tgtttccttg 120

tattatacgt agatgacatt ctgcttgcga cnaatgataa gggtatgcta tatgaggtga 180

tgaagggtga caaacttgct ntgagtcaat gccccaaaaa tgatttntgag cgggaacaca 420

tganaaatat tccatatgc 439

<210> 16030
<211> 433
<212> DNA
<213> Glycine max

<400> 16030

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tctgtgggat tgagtatcta aaaagtaatg acaaaattga ttagtttatt aattaatgga 120

tgacttttt ttatcggtta atgaatatgt acttgttgca tgcattatta acttatataa 180

tactnacttc caaccattct tgagttcctg atggttccca tgctgctaaa ccacctttc 240

tactctgcaa taattaagag aaaaaagaac cacagttgca tcaaaagtaa atattctagt 300

agtaaaagta aatcaaacat caattattaa tgtcgtctgc gctaacccca acttcccaat 360

gataaaagat taaacaaaga gaaggaccat caattgattg atctattaat taattaaaag 420

catatgacca tga 433

<210> 16031
<211> 433
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16031

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aagataagta tgaaaaggtt ttttcaaaaa ctgagtagca catggatttt tctcaaaaca 120

tgtttaccaa agagttttta ctctctggta atcgattacc agatttttgt aatcgattac 180

cagtagcaaa aatgtttttc aaaaaacttt caactaaatt tacaacgttc caattgattt 240

caaaaagctg taatcgatta caatgatttg gtaatcgatt accagtgtgt ttgaacgttg 300

<210> 16032
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16032

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gtaaaaagtt attgtcgttt gaatttgctc agagattcgg tattccattt cgagcatccc 120

gatatattac gggactcaat cagacatcca agtaaaacgt tattgtcgtt tgaatttgct 180

aagagcttcg ataatcaatt tcgagcgtct cggtatatta cgggactcaa tcagacaacc 240

gattgaaaag ttattgtcgt ttgaatttgc taagagcttc gataatcaat ttcgagcgtc 300

tcggtatatt acgtgactca gtcagacaac cgagtgaaaa gttattgtcg tttgaatntg 360

ctcacagctt caacattcaa tttctagcat ctcgatatat tccatgactc aatcatacat 420

ccgagtaaat agttg 435

<210> 16033
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16033

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atcgagacgc tagaaattga ataccgaagc tctgagaaaa ttcaaacgat aataactttt 120

tactcagctg tctgattgag tcccgtaata tgtcgagacg cttgaaattg aataccgaag 180

gtctcagcaa attcaaacga caataacttt ttactcggtt gtctaactga ctcccgtgat 240

atattgtgac gctcgaaatt gattaccgaa gctctgagca aattcaaacg acaataacgt 300

tttactcgga tgtctgattg agtccagaaa tatgttgaga tgcttgaaat tgaagactga 360

agctctgagc gaattcaaac gacaataact ttttactcgg atgtgtgact gagtcccgta 420

<211>
<213> Glycine max

<223> unsure at all n locations
<400> 16034

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agcgataaat nttcacacgg atgtccgatt cgggcgtata atatgtcgag aggctcgaaa 120

ttgaacaatg gaagctcttg agaaatttaa atgggcataa cttttcacac ggatgtccga 180

ttcaggctta taatatatcg atacgctcga aattaaacat cggaaactct caagaaattc 240

aaatggtcat aacttttcac acggatgtcc gattcgatcg cataatatgt cgagaggctc 300

gaaattgaac aatggaaact cttgagaaat tcaaatggtc ataacttttc acacagatgt 360

ccaattcagg cttataatat attgatacgc 390

<210> 16035
<211> 427
<212> DNA
<213> Glycine max

<400> 16035

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tcaattttcga atgtcactat atgtgatgcg ccaaaattgg acattcgagt taaatgttat 120

gaccatttga atttctcaag agcttccgtt gttcaattct gagcgtcttg ttatgtgatt 180

tgtctgaatc ggacatccat gtgaaaagtt atgaccattt gtatttctca agagcttccg 240

atgttcaatt tcaagcctct cgacatatta tgcgcccgaa tcggacatcc gtgtgaaaag 300

ttatgaccat ttgtatttct caagagcttc cgatgttcaa tttcaagcgt ctcgacatat 360

tatgcgcccg aatcggacat ccgtgtgaaa agttatgacc atttgaatat ctcgacagct 420

tccgatg 427

<210> 16036
<211> 437
<212> DNA
<213> Glycine max

[illegible] 60

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aaatgtgcaa ctagtcagat attaatcaga tccttcttaa accataaatt aaggcatttt 240

ccacagcaaa ccagggaagg catttcaatg gctaaaaaat tagatgccaa cttttctgca 300

aaataacatg ttggttaaaa cacagaagtt tcttagcaag tagctaggca gtggcaccac 360

ataaatgtaa caaaacattg taatttcttca atatttatgt tatggctaag ctgaacatac 420

ttgtgataat acttatg 437

<210> 16037
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16037

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ngatccgtta tggtcactat gagtatctag tcatgccccc tggtatgact aatgctccag 120

gtgtgtttat ggactacatg aatagagtat ttcacccctta ccttgatagt tntatggtag 180

tattcataga tgatattttg gtatactcta agactagaga ggaacatgaa gaacacttga 240

ggattgtgtt gcataccctt agggaccgac aactntatgc taagctgtcc aagtgtgagt 300

ttttggttaga gaaagttagt ttcctagggc atgtgatatc tcaaggggtt aaacctgtag 360

atccctctaa gatagaagtc gttcttgagt gggagagtcc taagctnttg tgtgggatac 420

ccaatgtaag catagttt 438

<210> 16038
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16038

[illegible]

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tgatggtgag ggcaactagc acatagtttt ttaaatctct cccagtattc atacaggctc 300

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gcaaggtaat ac 432

<210> 16039
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16039

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ctagagcaat tggaaggcct tcctaggcat aaagcanatg ccagatatgt gaactatgtt 120

gcagaanagg acaaaaataa tggtaattta tatgattctt cacttttagc taataataac 180

atggagcttt tctctgagcc tgagcatgct aaggtgtttg gtcatgttcg taagctttca 240

aatgagagtg ttgaaagcga tggaagctca atacgaggta gtgacatgtc taattttggg 300

attccaagtt catctggtga tggctctcat gaccttcctg gatctgcttt ggtttcaaga 360

gagacagata ttatgggcca cacanagtcg aagtctactg gtgaatactc aatagtcctt 420

ccactagat 429

<210> 16040
<211> 426
<212> DNA
<213> Glycine max

<400> 16040

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cctcgtgcaa cataaaaggc agaagcaaat aataattatt tacctctttt cttctctcag 120

ttcgcttcatc atacttgaaa ctgaatctat atttgggag cgccccccacc ctgcgaggtt 180

gcttctcctt gaagattatc atggggatct ttcttcgata attgtggtct agtcttctcc 480

ctgtat 486

<210> 16041
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16041

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tctccacaga aaatgcttta tcttgggagg tatacgaaga ttccatatag tggaccagct 120

tccttgaact ttgagagctt ctttgttcac catagtctcc attaaaatat gataatctga 180

tcaaaccgag tatgtcccca tggtactaac tttcaaaatc aaaatatcag aatcatgaag 240

attgaagagt ggcatcatct ttatttcttg ggaatcttct ttattgaaaa attgatcagt 300

aacctcaatg ttccaactat tgctttcaac atcaataagc gaatgtactg tcaaatgttc 360

aagaccaaaa agaggtaagg acgaaacata atacttatct ttattctg 408

<210> 16042
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16042

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tttgatttat gtgggaccatc tagaaaaaaa actcatggtg gaagctcata ctttctcacc 120

atcatagatg atttctccag aagagtatga ttgtatgttt tgaaaaataa gtcagaatct 180

tttcaaaaat tcagagaatg gcatactctt attggaaatc aacttggtac aaaattaaaa 240

gttttaagga ctgacaatgg cttggagttt gtttcagagc agttcaatga gttttgcagg 300

aaaataggca tcaaaaggca caaaacagtc cctcacacac cacaacagaa tggtttagca 360

<210> 16043
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16043

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ttgtgttgaa ggctangcat atagctgaag cagctttgtt tcttgcttct gatgatgctg 120

ctgtttacat cagtggtcac aacttggtgg tggatggtgg gttctctgtg gttaatagaa 180

gttattcttt cacaccagct taattacatg tagagccaaa aaaacatagt tttgtggctg 240

gttggcatta atttccctag ccttcatcaa gttgagaaca tgatgatgtc atgcagtgcg 300

tcaaattacc ttgttactgg gactttttttt tcatttgcac tctactaata attctgcaat 360

gtctcttctt tgtttgcatt ttcaaagcat acattcatca accttgtctg cttgtgactc 420

aaa 423

<210> 16044
<211> 401
<212> DNA
<213> Glycine max

<400> 16044

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cgctaaaccg ctgagagtcg gaagccatct tctcgatgga atatctggct ccagcaggag 120

tcatgtctac aaaggctaca ccactggcat catatatcat acttctgtcc atattactga 180

gtccttcata aaaatattat agaagaagct gctccgaaat ctgatggtga aggcaactgg 240

cacatagatg tttaaatctc tctcactact catacaggct ctctccactg agttgtctaa 300

tacctgagat atccttcctg atggctagag tcctagaagc acggaaatat ttttctaaga 360

atactctctt aaagtcatcc cagctcgtga tggaccatgg a 401

<210> 16045

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attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt tcctaaggac 180

tgaaagaact tgcctgagat gtcctaagtg atcatctagg atcctactat atactaaatt 240

atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat gatgcataag 300

cctcataaag gtgcttggag cattagtggg cccaaaagca tcactagccc ttcatacaaa 360

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<210> 16046
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16046

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taaaattgtg gaggtttgac cgagttatgt tcaatttncc tcatgtcagc tttcatggga 120

aggaaaataa cacattacta attaagtgag ttttcttgta agattcagtt agaagactaa 180

ttaatgtggc acgctctacc ccgacataca tatagtgaaa ggaaacatag aatagtggga 240

gtaacttaaa aagatttact tcacaattca atataaaact tctcaacgga gtaaaggttc 300

acattcaccc attaaccaag ttaaaactta tcggtaagaa tatcaaaaca tgtttcggct 360

ccaaacaaag accataccgg tattataact a 391

<210> 16047

<211> 442
<212> DNA
<213> Glycine max

<400> 16047

[illegible]

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ttataagcaaa ctcaacatga ggcaaacagg cttcccaaga tttaagattt ttctttaaaa 360

caatcctaag cagtgtgcct aaagtcctat tgactacctc agtttgacca tcaatttgtg 420

ggtgacaagt agtagaaaac aa 442

<210> 16048
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16048

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taagaagggg gggttgaatt aagatatcaa agactttcct caattaaatt tttaattctc 180

ctttttaaaa ttttcaatgt acctttatta tgaattacta aaaagacaat tcaaaataaa 240

cttctttaat gcaaaagaaa aataacaata actaaaagaa gtttaaggga aaagaaagtg 300

caaactcagt ttatactggt tcggccacac tctgtgccta tgtccagccc ccaagcaacc 360

cgcttgagat ttccactatc ttgtaaaatt cctttttacaa tgtctgaacc aaggacaacc 420

cttcctttgt gttca 435

<210> 16049
<211> 383
<212> DNA
<213> Glycine max

<400> 16049

atcttatctt tatctctacc aacaaaaaaa aaaaacccag agtaaatggg acaaaatctg 60

attaatcaga ctttctaaca ttagatatca atattaatat tatatatagt taaataatac 120

aaatataatg ttaaatttaac gtatattgtt ttacatattt taaaataaac aaattcattc 180

[illegible]

aacatattt gagaataaaa tca 393

<210> 16050
<211> 391
<212> DNA
<213> Glycine max

<400> 16050

agcttctata tattgttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aactttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa actacatagt gccacgctca actacgccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaac attaccttgt ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt a 391

<210> 16051
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16051

ntgatttcct ttgttccgga naccttttct ttctcatgtg cacccaaacc caatctccgg 60

gttcgaagac aaccttcttt ctccctttga tggcttgttt agcatagctt ttacttttcc 120

tctcaatttg atctttgact ctataatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg ctttaaaaaca gaaacattac gcatagggaa aagatcaaga gaagttagtg 240

gattaaaacc ataaacaact tcaaggttta agaaagaaga atcatcggat gacgccgatc 300

gaacatttcc taatagacat catccaaata ttattcaggg attgaataga agatacaata 360

gccgacatcg gccgttgtaa atcagcgact gatatttttc agccgacgtt gcgcaatttc 420

<210> DNA
<211> Glycine max

<223> unsure at all n locations
<400> 16052

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ttgtggactt tttctaagtg tggaattgaa atcctcaatc cattaccgat tggcatcctc 120

cagctgaagt attaattgtg gcaattgact aattcaatca atgggttgaa gccgagctgg 180

tagccaggat caccattgaa caagtacata aatttttatg gcaatcaata atgtgcctat 240

ttgggatgct aaaaaccttg atagtagaca atggcacaca gttcaattgc aatagtgtta 300

aagaatttgt gacagccaca atgtaaagtt gatttttgct tcggtggaac accctcaatc 360

aaatggtaag gtagaggtgg ccattaaggt gatactaaag ggtttntaaat caaactttca 420

acat 424

<210> 16053
<211> 359
<212> DNA
<213> Glycine max

<400> 16053

ttctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgtg 60

atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgaggcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240

tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300

actttttact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaat 359

<210> 16054
<211> 412
<212> DNA
<213> Glycine max

<400> 16054

[illegible]

cttcaacatt caatttcgag cgtctcgata tatcacggga ctatatcaaa catccgagta 240

aaaagttatt ggcgtttgaa ttggctcaga gcttaaacat tcaatttcga gcgtctcgat 300

atattacgag actcaatcac acatccgaga aaaaagttat tgtcatttgt aattgctcag 360

augttcaaca ttcaatttcg agcgtctcga tatattacag gactcaatca ga 412

<210> 16055
<211> 426
<212> DNA
<213> Glycine max

<400> 16055

tatattataa aaataaattg ttaacttata atgattatta ttatgatata acatgtacac 60

atactattat gattaagtcg gttaattaag ttataatttg cactctgcct ttatctcaaa 120

ggagtcaact caaggtttct ttattatcca tttagaatga aacacatata agttatactc 180

gtgagcatgc taggtatcca cttttaaatg aaaaaaaagt atagaggtag attatcaatt 240

actttttta aattatattg aataacttaa ttatttttta tagtataata acttaccata 300

aacaaatatt aaagaagtat ccgtgtctat tctatagtct cttcttagaa aaccataatg 360

gttggctctt tattggaaat aataagtcat gatagaaaat cacataaaag cccatttcct 420

ctttte 426

<210> 16056
<211> 436
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16056

tagaagatct atatatggac taaaacaagc atcctaccaa tggtatattt agtttcatag 60

tgtggtctcc aaatatggat tttgtggaaa gtgttgtaga ccaatgcata taccttaaag 120

tcaataggag taagttgatt ttcttagttc tatatgaaga tgacatttta cttgctagga 180

[illegible] 420

ccaaacaaca ttggaa 436

<210> 16057
<211> 357
<212> DNA
<213> Glycine max

<400> 16057

atattactag caactctaag atgagcgaat agacatctta catactaaga aggtaatgta 60

taaatcaatc ctcaccggaa tgactgagta aaaaccattt ggtattggat ctgaaagcat 120

tccaatctgc cagagtgcta gtgatgctgt cagagaagac agcacatctt cgacaacatg 180

tcgaggagat tacttattac ttaaggtctc atcttgagaa cccaaagaaa cagatccaaa 240

ttttcaaca aaatctgaag gccaccacaa cacattagat ggcccttgct ctgccggccc 300

tgcatcttct cgtgtctcct ccatgttctt atatatttag aatgaaaaac catttcg 357

<210> 16058
<211> 445
<212> DNA
<213> Glycine max

<400> 16058

tcaagcttct gacaaaatcc atcaacacat gcggactcca atttgtggct tactattatg 60

ttcctcaatt ttgcatgatt tgtcctcact tctctgccaa cttcatttct atcatccatc 120

acaatttttca cagctttgct tacactctcc ttcgtgaacc agccatcttc ttcacccttc 180

tccacttcaa ccccaatctt taagttttca cccatcatcc ttgcatttaac tatatgatca 240

ccatctacct gtgccagtaa cactatttgg cacttattca ctagtgcctc agttaatgaa 300

ccagcaccac aatgtgttat gaagcaaccc actgaagggt gttccaaaat cagctgttgc 360

tgtatccatc caccgaggac aattactctc tcttcaaccc tttccttgaa cccttctggg 420

agagcagctt caagtgtctc aaacc 445

<400> 16059

ttcttgagaa tggagaattg cactaagcaa tcactacgca tagctccaaa ctcgaaggtg 60

gaggacacat gaacgaaaac acaattcatg gggctccgaa aaaggggttg agaatggaga 120

attacactaa gcaatcacta cgcatagctc caaactcgaa ggtggaggac acatgaacga 180

taacgcaatt catggggctc cgaaaagatt gagaatggag aattgcacta cgcaatcact 240

acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggtgct 300

ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg 360

aaggtggagg acacatgaa 379

<210> 16060
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16060

ntaaaagatt ggctaagatt ttgttaaaac atattctctt agacaatgaa ggaaagctgg 60

agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg cacaatgcac 120

aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtcggatata 180

atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat 240

ccacgatgtc ggatacaatg tccaggacat cctgcccgaa aatactggag ttgctaaaag 300

cattgaagtt gcaggatcca cgatgtcgga tacgatgtcc aggacatctt gcccgaaaat 360

actggacata taaatctgtt atatctttaa cagattattg tgcagttagc aagagattag 420

atga 424

<210> 16061
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

[illegible]attcaccgca agtgggtgtt atacatttgg ctcttcaaaa taactcagat ggcttaattg 240

[illegible]aggtatct gctactatgc tactatgttt catgaactcc tattcattgt caatagttat 300

[illegible]tttgccccgt gtggatggaa gcctgatgct attgtccttt tatttagttg gcacaatgat 360

[illegible]atatttgttg tggctgaacc tggagagctc gctgagaaat ttctacaaaa tgtntaaatt 420

[illegible]ag 423

<210> 16062
<211> 377
<212> DNA
<213> Glycine max

<400> 16062

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tggcatttga aaagattaaa tgatgtttga tgaatcctcc tatgctcatg ccattggtgc 120

ccggaagacc tcttatccta tacatgacag tattagatga gtcaatgggg tgtgtgctcg 180

gacaacacga tgaatctgga aaaagggaat gggccatcta ctacttgagc aagaagttca 240

cggcatgtag atgaactaat tgttcctaga gaggacatgt tgtgccttgg cgtgggcagc 300

tcaccgtttg aggtagtata tgctgagtta cactacttgg ttggtgtcca taatgtatcc 360

cgtccagtac atcttcg 377

<210> 16063
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16063

tgctgcaaca gcatgtaact ctttntaaaa taatttctcc aagaacagtg gaaatagtaa 60

accaagtgaa aatgaacagt accaaagaag aacaccatct tttgcaattt caaagagctc 120

attggttgaa gggtcaatag gaagatattt cttgaggaac tcatcttgtg ctagatagtg 180

gcttggatca aaatttaacc tgatcacaat agctgaaatt gttctagtat gtttctagt 419

<210> 16064
<211> 443
<212> DNA
<213> Glycine max

<400> 16064

ctttgaactt caaatgcttt aggatgtgaa tcacttctgt tgtcctaaat gcctgcattc 60

atgaacatat atagaagaaa taattggaga ggaatcgttg gctacatgaa tcactgaggt 120

gggaggacta taagacaaga ctggttggat gggaccaaca gggaggcaag ggcatatgga 180

cggctttgga ggactttctc gctgatgctg attccgtgtg aaataaaata gatgtcaaac 240

atcagaaata tttaaaatga tatatgacct ctcgctatcc gctgccttat aattcatcag 300

ccacaaatta ccttgcagtt gtacttcgat gtaacgtgaa cagaacatgt ccagagcatg 360

tttacaaaaa tatggaatat caattaatgc atgaatagac gttacgtttc actgaggcac 420

gtctcatttg gttacatgtg gag 443

<210> 16065
<211> 428
<212> DNA
<213> Glycine max

<400> 16065

tatgctacaa atatttacaa tagacctcct caatctcagc tgcaaaatca accacagcaa 60

agcaattatg acctttccag caacagatac aaccctggat ggaggaatca tcctaacctc 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgttgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacaa 240

ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360

ggacaattag ctaccaaatt gaatcaacaa caatcccaaa attctgacaa gctgccttct 420

<210> DNA
<213> Glycine max

<400> 16066

tctacctctc tgggcaatct tatgtggtgg atcttacctt caaaaccttt tgaccttcta 60

cnattacctg caagcaaaca ttgtgttctg gagtaagctt gtcttccaca gacaagtcga 120

aatcgatttt tgggtcttca aaacctaact ccacctttct cttcccatg acaactatgc 180

agcttgcgga caatatgaac ggccttccca agattacaag gatgtcagta tcttcagaga 240

tatccataac cacaaagtct gctgggaaga tcaaatgttg taccctgacc aacacttcaa 300

tcactccaca ggacctggta atggagcggt cagctaattg cacagtcatt cgagtgggca 360

taatctccaa ctctcccagc cttctgcaca tggagagtgg catcaaatta atgttggctc 420

ccagatcaat catagcc 437

<210> 16067
<211> 435
<212> DNA
<213> Glycine max

<400> 16067

tgctaaccca tggaagctgc taatatcttc cacacttttt tggggtgggt cattcttgga 60

tgaccttgat tttctcaggg tccacttgga ccccatttct accaactaca aaacctaaga 120

aqactatatt atctacacaa aaggtacact tctgtatatt tgcatagagg gagtttttac 180

tnaggactga aagaacttgc cggagatgtc ctaagtgatc atctaggctc ctactgtaca 240

ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatcccct aagacatgat 300

gcataagcct cataaaggtg cttggtgcat tagtgagccc aaaaggcatc actagccatt 360

catacaaacc aaacttggtc ttataagcgg ttttccactc atcacccttg ttcatcctga 420

tttggtgata accac 435

<210> 16068
<211> 424

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tcctttctgt cacaccattc tattaggggg atcttggaac tattaaggga catctgattc 180

cattctcttc acagaactct ttggaaggga attctcctcc ttggttagta ctcatggctt 240

tgatcttttg actactttct ttctctatta tagctttgaa cttcttgaag gcggaaaaga 300

ctttggattc tttctttaat acatatactc atgttttgct tgagaactaa ccactgaaaa 360

ggatgacata ggcactttta tctagtgagc atggcttgat tggcccacag acgtcaacat 420

gtat 424

<210> 16069
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16069

agctttgagt ttattcaggc gacaatatct ttttactcgt atgtctgatt gagtcccgtc 60

atataacgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgaatcctgt catatatcga gacgctcgaa attgaatgtt 180

gaacctctga gcgaattcaa acgacaataa ctttttactc agatgtctga tatagtctcg 240

taatatatcg agacgctcga aattgaatgt tgaagctctg agcaaattca aacgacaata 300

actntttact cggatgtctg attgagtccc gtcatacatc gagacgctca naattgaatg 360

ttgaagctct gaggaaattc taacg 385

<210> 16070
<211> 432
<212> DNA

<213> Glycine max

<400> 16070

tcaacattca atttcgagcg tctcgatata tgacttgact caatcaaata tccgagaaaa 60

[illegible]

[illegible]

[illegible] 120

gtatgacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga atttgctcag 360

agcttcaaca ttcaatttcg agcgtctcga tatattacga gactatatca gacatctgag 420

taaaaagtta tt 432

<210> 16071
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16071

tatccaaact gaaacttcaa caaattaggc actgtctaat tcgttatatt ttcagtacac 60

aaaatcaaag tgatcaattc taaaagttat aacataaggt acattgatag ttccatccat 120

aaagggttta cttaaagttg cggatctgaa agtggtccag ccatcaacga cacttctgtt 180

gccagtaata actgtaacat cctttccatc gccaaacaga acaatattgg tcttataact 240

tgggatttca acattttcct cgtaagtccc ttctttgaca tagatcactg tcctaccagc 300

actgtcattt ggagcaaagt tgatagcctc agtgatgaag ctaaagtttc ccgttccatc 360

agcagccaca acaagctctc ctccatcatt gctntgcaag agacggcgaa cggttttcat 420

cgacaaccac aac 433

<210> 16072
<211> 424
<212> DNA
<213> Glycine max

<400> 16072

ataccttica tcatggcatg ttgacataag cictttagtt gaggatnaaa tttgtcaaaa 60

aagaaataat attcgacaaa aatataagag tttgagataa aatttgtcaa ataaataata 120

ttatgatctt attaaaatgt ttaatggggc ttaattttaa aaatttttta agttttctac 180

cataggagct ctttttttca ccccatccat gttgtcacat gtgggtgaaa agaggaaaga 240

. . . . . .

. . . . . .

cect 424

<210> 16073
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16073

ngtgcctctt catgtccgga atatgaatgt agcttataga tccaaagacc cttaggtgct 60

ttgctgatgg cttcttcccg ttccaagctt caattggagt catgtctttt acagacttag 120

ttggacatct gttgagtatg taaacaacat tgtagattgc ttcagcccag aatgtgttag 180

gtagtccctt ctccttgagc atcgatctag ccatttccat aactgtgcaa ttcttttctt 240

cggacactcc attttgttaa ggagaatatg cgactgtaag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactctnt gccgcgatca cttcttagta 360

cttttatccg ttttccactt tgattntcag caagggcctt gaactttntg aatactccaa 420

ag 422

<210> 16074
<211> 295
<212> DNA
<213> Glycine max

<400> 16074

ctttaaccaa ttcagacaac aataacttct tactcgtgat gtcttattga gtcccgtaat 60

atatcgagac gctcgaaatt gaatgttgaa ccttctgagca aactcaaacg acaataactt 120

tttactcgga tatcngattg agtcccgtaa tatatcgaga ctctcgaaat tgaatgttga 180

atctctgagc caattcaaac gacaataaat ttttgctcgg atgtctgatt gagtccgtg 240

atatatcgag acgctcgaaa ttgagtgtgg aatctctgag ccaattcaac gaaca 295

<210> 16075

[illegible] 60

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aacatgttc aagattgttc gattgcttct ttctacaatg ccattatgtt ggggtgtaa 180

tgagcagtta cttcatgaac tataccatgc tcctacaga aaccttcaaa ttctccagat 240

gtgaattcac ctccaccatc tgttcttaag atgttaatgc attttccaga ttgcttcttc 300

acaagagcta tgaagtcttt aaaaatgttg aacacatcac tcttggcttt gattgggtag 360

agccacacct tcctgctaag atcatctaca aaagacacaa agtatctatt ctctcctaat 420

g 421

<210> 16076
<211> 379
<212> DNA
<213> Glycine max

<400> 16076

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tcctcctcga atacctccac agtgcctctc tatcaactcc ttcagtggaa tactcatttc 120

ctcctcaaca gtgcaaggct tgttcacatg ccccgacaca caaaacaact ttgtcccagc 180

attgttcttc ctaccaaaac tggcaaacca ttcaggccca cgccttagaa tggttggaga 240

aacagcaaca gtttccacat ttgtgacagt ggtaggacat ccatacaacc cagcattggc 300

tgggaagggc ggcttcaatc ttggtttacc ttgtttccct tcaagactct ccaagagggc 360

tatttcctca ccacaaata 379

<210> 16077
<211> 422
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16077

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tgcagaagat tgggagagtt ggaaataatg cccattcgaa tgactttaca actagctgac 300

ggctccatta gcaggccata tggagtaatt gaagatgtgt tggtcagagt aaaacattnt 360

atcttcccgg cagactttgt ggtgatggat atctctgaag atactgacat ctttgtaata 420

tt 432

<210> 16078
<211> 366
<212> DNA
<213> Glycine max

<400> 16078

ttcttgtaat aaaaaacaag taaataatct ttacttagag atgaactaac atcttttgtc 60

tgacccaaac gatgagctct atccatcgcc tgtagatcca atgttggatt ccaatcactc 120

tcgtaaaata tgactgtgtc agcagctgtc aagttgatac ccaatccacc agctcttgta 180

ctcagtaaga acacaaaaat atcactcctg aaacagagat ataaagaaac aagtcatctt 240

cagtagtctc accaaagtag acacattaaa gcatgacaac acagacatta cctgtgctgg 300

aagtctctaa ccatgtctct gcgatcctga atagtggatg acccatcaag tctaaaatat 360

ctatat 366

<210> 16079
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16079

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aaacccctttg aactacttca cactgattta tttggtccct ctagaactat gagtttgggt 120

tgtaattact atggcttagt tatagtagat gattactcaa cgttcacatg gactttgttt 180

ttgaaaacaa aaaatgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

<210> 16080
<211> 410
<212> DNA
<213> Glycine max

<400> 16080

tatcaatgtg gcagttccgg ggaccattgt ctaattggcg atcaatacaa aaaaaatact 60

caatccatgg gaaaggaatg aaaatcacac actttgcctc aactctgcta aagcaattgg 120

atgtacagta gtcaacattg gcacccagga cttcattgaa ggaagggtat gcttgtaggc 180

attcaagttt ccacccataa aagcagaatt attgtgggcg tgtacactgc agaacaacaa 240

aatttaagat taaatttaat ttataaatga aatcctttgt taagttatga aataggaatt 300

ttttattct aaaatcaaat cctttggtca gaaagttata agaatttttt cttttttttt 360

ttttaattta ggtgtgatac tacaaaaaat ctggcaaatt tgatatttct 410

<210> 16081
<211> 321
<212> DNA
<213> Glycine max

<400> 16081

tgctcttaaa ctctatacaa gaatgaagtt ctgataccac tcgatagaca ggtggcctca 60

gatatctttta agaatggggg ttttgaatta agatatcaaa gactattctc caattaaaat 120

tttaactctc ttcttgagtt agaaatttac ccttaatatg aattactcaa aagataattt 180

agagtaaact tctttatagc caatgataga tgacgatata taaaagaagt ttaagggaaa 240

agagaatgcc aactcatgtg ttatactggt tcaggcacac cctatgcgct acgtacagtc 300

tccaagcagc ccgcttgaga t 321

<210> 16082
<211> 423
<212> DNA
<213> Glycine max

[illegible]

[illegible]

[illegible]

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tttctgaatt ctaaactgga aaatatgaca aagtcaataa agatgctgaa taaaggctca 240

gatgtgcttg atgaggtgct acagcttggg aagaatgttg gaaaccagag aggacttgga 300

tttaatcata agtctgctgg cagaacaacc atgacagaat ttgttcctgc caaaaacagc 360

actggagcca cgatgtcaca acatcggtct cgacatcatg gaacgcagca gaaaaggagc 420

aaa 423

<210> 16083
<211> 380
<212> DNA
<213> Glycine max

<400> 16083

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tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca 180

agatcccttg gggaggcgcc atttgcacat gaatcactct tgaggcaaaa atcaaggatc 240

aaatggctca gggaaggtga cagtaacaca tgcttctttc ataaatccat aaattttaga 300

agacattata atgcaattca aggaatattc attgaaagta tatgggttca gcaaccaaaa 360

ttggttaagg aagaagctgt 380

<210> 16084
<211> 388
<212> DNA
<213> Glycine max

<400> 16084

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agatgatata ataagtacta ccggatttgt atttttatg ggtgattgtg tctttacatg 120

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[illegible]

[illegible]

[illegible]

<210> 16035
<211> 404
<212> DNA
<213> Glycine max

<400> 16035

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cgtaactttt tacacggatg tccgattcgg gcgcataata tgtcgagatg ctcgaaatta 120

aacaacgaaa gctcttgaga aattcaaatg gtcataactt ttgacacgga tgtcctattc 180

aggcaaatca catatcgaga cgctcaaaat tgaacaacgg aagctcctga gaaattcaaa 240

tgcttataac atatagtgac actcgaaatg tccgattcat gcttataata tatcgatacg 300

ctcgaaatat aacatgtaaa gctctcgcga aatctaaatg gtcataactt ttcacacgga 360

tgtacgattc tgacgcataa tatgtcgaga ggctcggaat tgaa 404

<210> 16036
<211> 407
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16036

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atttttaaga aatttgagcc aacaaaaaaa agtgttcaag agaatatgtt agagacagtg 180

ttgctaccat ttctctgttt aggaatggtg tttgtagtta ttagtgaaaa tagaaataga 240

aaatatttta cttatgtcaa acaggcttct gcattactat ttttagtttt tacaacatta 300

tgatagatca ttatatattt tttctttctc taaaacaaat gatttattta ttgtcttgng 360

gtggtgtata taaaaactga tcaacacatt ntactttttct ttttttg 407

tggacacttt caatatgatt gtcctacgtt gtattagaaa ccattttatg ctgagatgga 60

ggataaagag gaacaagagg atgagctctt gttaataacc ttcatagatt gcatacaagg 120

gaagaaggat gagtggtttc tagactcggg atgcggcaac cacatgagta gtaacaagga 180

gtggttctca gaattggatg agaactttcg gcacaatgta aggcttggta atgatactca 240

catatctgtg aagggaaaag gtagtgtttg gatggttgtg aatgagatta tacatgtaat 300

cacacatgta tattatgttc ttgaactcaa gaataattca tcgagtatat gactgcttca 360

agaaa 365

<210> 16088
<211> 354
<212> DNA
<213> Glycine max

<400> 16088

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gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgcttttctc 120

aaagaaaagc ttactaaggc acttgttcta gctcttcctg acttttctaa aactttgag 180

ctagaatgcg atacctctag agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaat atgaccttgt ttcc 354

<210> 16089
<211> 418
<212> DNA
<213> Glycine max

<400> 16089

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tatgatcttt caagcaacag atacaatcca gattggagga atcatccaaa tctgagatgg 120

ataaatcctc cacaacaaca acagccattc cctcctttac aaaatgttgc tggtccaagc 180

gctgcataat gcacaaggca agataaagtg tcaagtgatg aattgaagtt gaacgatc 418

<210> 16090
<211> 408
<212> DNA
<213> Glycine max

<400> 16090

tgtgcctctt cacgtctgtt tatgaatgta gcatatatga tccaaagacc cttaggtgct 60

ttgctgatgg cttcttccca ttccaagctt caattggagt cttgtctttt acagactcaa 120

ttggacatct gccgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180

gtagtccctt ttacttgagc atcaatctag ccgtctgcat aactgtgcga ttctttctct 240

cggacactcc attttgctga ggagaatatg cgactgtaca ttgtctctca atgccttcat 300

cctcacagaa tctttcatac tcgtgagagg tgtactcttt ggcgcgatca cttcataata 360

cttttatccg ttttccactt tgatttttcaa caaggacctt gaactttt 408

<210> 16091
<211> 364
<212> DNA
<213> Glycine max

<400> 16091

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cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttgttgt ggatgatttc 120

tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180

gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240

catggcagag agtttgaaaa cagcaagttt actgaatttt gcacatctga aggcatcact 300

catgagttct ctgcagccat tacaccacaa caaaatggca tagttgaaag gaaaaacatg 360

actt 364

ttccgctcgg atgtccgatt catgtgtatc acatattgag acactcgaaa ttgatcaatg 60

gaagctcttg agatatttaa atggtcataa cttttaacaa ggtggtctga ttcaggcgca 120

taaaataacg agacgtttgt aattgaacaa cggaagctcg agagaaattc aaatggtcat 180

aacttttcac acggaggtcc gactcaggcg cgtaatatat cgagatgttc gtaattgaac 240

aacggaagct ctcgagaaat tcaaatggtc aaaacttttc actcggatgt ccaattcagg 300

cacatcacat atctagacgt tcgcaatgga acaacggaag ctcttgagat attcaaatgg 360

tcataactct tcactcgaat gttcgattca ggtgtatcac ac 402

<210> 16093
<211> 378
<212> DNA
<213> Glycine max

<400> 16093

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tcaaacataa aaaaggaaaa ggtaatattg tagccgatgc tctttctcgg cgtcatgcat 120

tactttctat gcttgaaaca aaatcgattg gacttgaatg tttgaaaagc atgtatgaaa 180

atgatgaaac ttttggagaa attcttaaaa attgtgaaaa cttttcagaa aatggtttct 240

ttagacatga aggctttctt ttcaaagaaa acaaattgtg tgtgcctaaa tgttctacta 300

gaaatctgct tatttgagaa gcacatgaac gaggtttaat ggggcatttt tgggtccaaa 360

atactctaga tacattac 378

<210> 16094
<211> 379
<212> DNA
<213> Glycine max

<400> 16094

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ctttcacccg acgaagacac tgacaaaaac ttatcttctc ctttttggac aaggtatggc 120

[illegible] 180

gtctaacatc aagatcagat cagtacgaga gatcaaagaa tatggacctc ttcttccata 360

tgcaactctt acttttatc 379

<210> 16095
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16095

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atacatactt gcaatttgtt tgttgctcgg caaagaaagg ccaacaaatc ataggcacac 120

ctgcagatat actttcaagt gtagaattcc aaccacaatg ggttagaaag gccccaactg 180

atggatgaga aagcactttc tcttgaacac accaacttgt tatatatccc ctgtccttga 240

tctcatcaaa gaactcttgt ggcaaagata tagattcacc cattactaca tctggtctca 300

ttatccataa gaaatgttgc ttgctatttg ctagtcccca agcaaattct ttcaagtgat 360

gctctgtcat caccgttata cttccataat taacatatat gactgagtta ggttcccatt 420

tgtct 425

<210> 16096
<211> 411
<212> DNA
<213> Glycine max

<400> 16096

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caaggtattg gtaagagcaa ctcccccccca tccaccctgc acatctgaga tccaagccta 120

tttaatcata caatggtacc ctttatgttc aagccaccag tccaccaccc taaaaggctt 180

agggtcccaa tccaccatct ttgtggccaa gaagatcggg caatgatccg aataatctct 240

ttgaagaaca tgtccgagaag catcatgcca caaggatagc catcgatcag acaccatgaa 300

<211> 424
<212> DNA
<213> Glycine max

<400> 16097

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ggatcaactt gaaacttatg tgcttcaaga gagaagaaat ctttcttttc cacttgtgaa 120

gatgttcaaa gttttggctat gaagatggtt caaactgaga aacatttggt atttccattg 180

gtttataaac ttattgagct agctttgata ttgccggcgt cgacaacatc cgttgaaaga 240

gctctttcag caatgaagat tatcaagtct aaattgcgca ataagatcaa cgatgtgtgg 300

ttcaatgact tgatggtatg tgacaccgag cgggagatat tcaagtcgct cgatgatatt 360

gatattattc gaacatttac cgcaaagaag tctcggaaag gacacttgcc tcgtatttta 420

<210> 16098
<211> 424
<212> DNA
<213> Glycine max

<400> 16098

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tttaacagca ttacccattt acttgctgtc ttttttttaga atccctaaaa aagtggtgca 120

aaagatagtt actattcaga gaaatttttct atagggaggt gattttgagg ccaacaagat 180

ccctttgggtg aaatgggaca caatttgtct tcctaagaac aaagggggggt tagggattaa 240

agacttgatc aaatttaatg aggctttgct tggcaagtgg ggttgtggagt tggctaataa 300

ttagaaccaa ctttgggcaa gaatttttatt gtctaaatat agcggttgga atgaatagct 360

ctctggtaga aacagtagtg atttctctca ttgatggaaa gatctaaaga ttgtatttca 420

atac 424

<210> 16099
<211> 375
<212> DNA
<213> [illegible]

[illegible] 120

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agaatctcct ggcaaattca aactgccgag acttttcaca cgaatgtatg attgaggtca 240

aaaatatatc tcaacgctca aaattcgaca aagaagcttt ggggaaattc caattgtgat 300

gacttttgac tcgggcatcc gattgaggct tgagatagaa tctcctagca aattcaaatg 360

gccataacat ttgac 375

<210> 16100
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16100

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atcgagacgc tcgtaattga aaatagatgc tcgtagcaaa ttcaaacgac aataacttt 120

aactcggatg tccgatggag tcctgcaata tattgagaca ctcaaaattg aaaatagaag 180

ctctgagaaa attcaaacga caataacttt ttactcgaat gtctgattgt gtcccgtagt 240

atatcgagac gcttgaaatt cagatcagaa gttctgagca aaatcaaacg acaataactt 300

ttaactcgaa tgtccgattg agtcccgtaa tatttctagt ctcacgaaat tgaaaacaga 360

agctctgagc attattcaaat gacaataact ttttaatcgt atgccgattg tgtcccgtag 420

tatattg 427

<210> 16101
<211> 377
<212> DNA
<213> Glycine max

<400> 16101

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atgctgaagc aaccaaggtt tttcaaaagt acctagatgg gtgccttact gctaagtgca 120

ttaagatgat tgatctcata gaacaacttg agaagttggg tgcactcttg ggaaagagct 360

ttcttcaagat ttgatta 377

<210> 16102
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16102

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atcctgcctt cttctatttt aagatcggga atgcctctaa cagcaccttt gtcaatgatt 120

ttcttcatgc ctcttaagta gcacatgtcc aaatctttga tgccatattc tgactttatc 180

ttctatggac gatagacatg ttgaggagta gctggtttct tgaggagtcc ataggcagca 240

gatgtccttg gacctgctgc ccttgattag agcttcactc ttctgcttcg ttaccaagca 300

ttctgacttt gagaagctta cattgaatcc ttcatgacac tactgactga tg 352

<210> 16103
<211> 367
<212> DNA
<213> Glycine max

<400> 16103

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taattcagtc ttaacagcct tacccatcta tttgctgtcc ttcttcaaga tacctaaaca 120

tgtggtgcaa aagattgtat ctattcaaag gaattttctta tgggaagtc accaagactc 180

caacaagatc ccttgggag gcgccatttg cacatgaatc actcttgagg caaaaatcaa 240

ggatcaaatg gctcatggaa ggtgacagta acacatgctt ctttcataaa tccataaatt 300

ttagaagaca ttataatgca gtctaaggaa tattcattga aagtatatgg gttcagcaac 360

caaaatt 367

<400> 16104

tagacaactt anagaaacca atttggaaag catattgagc craacatttt acactcaaga 60

tatatctatg aaatttattt ggatgaatat ttgggttgaa tagttaactg agcccattgc 120

atttattatg tcggaatata ttcaaaggat attgaagata tcatatgttt aacatttatt 180

attaagattt agagtttaga gtttatatca ttatgatatg tttttatctt gtctttggat 240

ttgtttcatt tattagaact cttatttttgt taagatttgt tttctctttt aggatcaaaa 300

tcttatttta tcatatcttt agttcatata agattattgt tttatcttat ctttaggtta 360

gacactatta aaatttgttt tccgtcactt gtttntgtatt tccctataaa taggaagcca 420

tg 422

<210> 16105
<211> 379
<212> DNA
<213> Glycine max

<400> 16105

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atgaagatgt agcatcctac agaagattga ttgggaaact tctgtacttg aacaacacta 120

ggcctgacat cacatttgcc actcaacaac ttagtcaatt cttaagtaaa cctagtatga 180

cacactacaa tgctgcctgt agggttgtta agtacctcaa aggcagtcct ggccgaggcc 240

tgttcttccc aagaaagcca gaaatccagc tactaggatt ttctgatgtt gattggggtg 300

gttgcttaga ttcaaggagg tccatttcag gatattgctt cttcttggga gcatctttga 360

tctcttggag agctaagaa 379

<210> 16106
<211> 351
<212> DNA
<213> Glycine max

<400> 16106

[illegible]

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attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gaggctttatg ccttaataag agcccttcaa acttgtgaac attacctttgt t 351

<210> 16107
<211> 386
<212> DNA
<213> Glycine max

<400> 16107

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aaggctatgc ggtctgataa tgctaaagaa ttagctttga ctgagttttt gcataatgca 120

ggagtagttc accagttttc ttgcccacac agacctcaac aaaattcagt aatagagagg 180

cgccatcaac acctattgaa tgtagcacgt gctttaatgt ttcaagctca gatgccaatt 240

tatttttggg gagagtgtgt atccacgaca gcttacatcg tcaacagaac atcaagctca 300

aatttgcaga accaatcacc atatgagttg ctatatggta aagtaccagc ctatgatttg 360

atgaaaggtgt ttgggtgctt gtgcta 386

<210> 16108
<211> 373
<212> DNA
<213> Glycine max

<400> 16108

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gcctcctatt tttaatggcg tgggttacca ttattggaaa acccgcatgc aaatttttat 120

agaggtaata gatctgaata tctgggaagc aatagaaatt gggccctaca ttcccactat 180

ggtggcagga aatacaacca tagaaaaacc tagggaagaa tcgagtgagg aagaaaagag 240

attagttcat tacaatttaa aagccaaaaa tataattaca tctgctttag gaatggatga 300

gtactttagg gtattaaatt gtaaaagtgc aaaagatatg tgggataccc tacaattaac 360

<211>
<212> DNA
<213> Glycine max

<223> insite at all n locations
<400> 16109

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tagaacaacc cgctgggttt gagagtaaca ctttccacaa catgttttta aactcattaa 180

agctttgtat gggctaaaga aaactccttg agctttgtat gaatacctta gttcattcct 240

tttgataaat ggttttgaaa gaggaaaagt ggatatagct ctattctgca aaaactatga 300

ctcctaattt atattagtac aaatctatat ggatgtcatc atacttggtg ctactaatga 360

acctctatgt gaggatttct ctaagttaat gtacgttgaa tatgaaatga gcatgatggg 420

<210> 16110
<211> 367
<212> DNA
<213> Glycine max

<400> 16110

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gagacggtgg aaattgaaga ccgaagctct gagcaaattc taacgacaat aactttgtac 120

tctgatgtcc gattgagtca cggaatatgt cgagacgcta gaattgggat accgaagctc 180

tgagcatatt catacgacaa tgcctaatga ctcggatgtg ggattgagtc acgtaatatc 240

tcgagacgct cgaaattgaa taccgaggct atgagcgaat tcaaacgacg aataactttt 300

tactcaggtg tgcgattgag tcccataata tgacgagacc ctcggaattg aataccgaag 360

ctatgag 367

<210> 16111
<211> 384
<212> DNA
<213> Glycine max

<400> 16111

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aaaaaatcac taaaaatact aatcatgcac cactagaaga taccaggggc attgcacatg 240

ccgaaaggca tactcctgta agcaaaagtg ccaaagggac atgtgaatat ggtctttttct 300

tgatacttat gaacaatagt gatttgcata taac 384

<210> 16112
<211> 366
<212> DNA
<213> Glycine max

<400> 16112

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gacataaata gggaaaagga aatgttgtag ccgatgctct ctctcggagt catgcattac 120

tttctatgct cgaaacataa tagagcgccc atgaatgtta gcaccgcatg tctgaacatg 180

atgaggcttt tggagaaatt tttaaagctt gagataaggc atcagaaaat ggctacttta 240

gacatgaatg cttacttttcc aaagaaaaca catggtggat gcctaaatgt gctacaagaa 300

aatggcacgg ctgtgaagca catgaatgag ggttaatgcg gcatttggtg gtacataaga 360

gtctaa 366

<210> 16113
<211> 361
<212> DNA
<213> Glycine max

<400> 16113

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gcctatggag tgagacctaa agctgtattg aataccaagt gggcactcta ttgcttattt 120

tagtgaaaaa cttcacggtg ccacactcat ctaccccacc tatgataaaa agctttatgc 180

cttaacacga gccatgccta cttgggagca tcacttgat tcccacgaat ctgtcattca 240

tagtgatcat gaatcactta tgcacattcg acggcaacag caagttaagc caaaagcatg 300

<210> Glycine max

<400> 16114

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agtatttttt ggttttcaat tgcttggcaa ctttagtttg tatctctcct ttgacaatct 240

tcttccgtat cgcatccaga gaagcccccc tctcaagctc ttctaacaat tctttttcttg 300

cttcctcaaa ttccatctaa ttcaattaag cagtgagtgc caaaaagtat tgttagagaa 360

aatgaaatat gattgacaat ctaagtaatt aatatttaat actcagcaga aaaaagaaga 420

aatcagaa 428

<210> 16115
<211> 367
<212> DNA
<213> Glycine max

<400> 16115

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aaaatgttgt acaaattaat ttaaaattaa tgacccatac aagaatcaaa ctttcgagat 120

ttgtgttatt agcacaacac tctaaccaac taaactaata aatgaattat attatacaat 180

aattaatgtc actatatgta atactaaaat ttttaatatt taatgcgcat gaaaatttag 240

ataataaatt ttgcaacaat taatttttgat ctaacaatta atttgtttac acatgttcgt 300

agaaaaacaa ccactagacc acatgtcatt cacatattgg ataattgaac actgcagaag 360

ttgagtg 367

<210> 16116
<211> 397
<212> DNA
<213> Glycine max

aaaagctcca catggggcta catcagacag cgtcgactgc gtcacgtcac cagaaaccac 180

aaagtcctcg gcagcatcca ggtggaacct cccattcgtc ggcgagaacg agtgtgctag 240

catcccaaag ctcccgtcga acggctcccc ctggctgtgg tcaccactga agaacccgat 300

cctaatgtcg gtgcttgttt ataaataagt gcaacaagtt tttctttcat tgtgnctctc 360

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<210> 16117
<211> 232
<212> DNA
<213> Glycine max

<400> 16117

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ttgataccgc tcacggttcc ccgacgcgta ctacccgcaa acatggagtg tcactcctga 120

gttgcccatt gaatgaactt actttcattg attgcgttga gcttactgac cgctctccag 180

tcgtaactgc tgacaggccc acttgcttat tgagaactgc aacccgaacc cg 232

<210> 16118
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16118

ttcatgactt gcaatcttnc tatataatgg ngatctatac gaaaatgcca caaatctata 60

gggatgacat tacattntgg atgggtaatg gcggaacata tggttcttga atgtgatggt 120

ttcaaggtaa gcngataaag cccatgactc acttcaactg taccaatctt cactttggtg 180

ttgatatcct gcaaaacaca agtattagag gagaagatta actcggagct gtttgcggaa 240

atgagtttgg atatggatat gagattaaag ctaaaagaag gtatgtatag aacatctttc 300

aatgtaattg aagaggtgag atggacggtt cccgagtggg tggcatgaac ttcgtgtcca 360

<211> DNA
<213> Glycine max

<400> 16119

tcagtggctt agtgaagatg aaaaggtaaa agtgactcaa caggttgagg tgagtcttac 60

cattgggaga tataatgata gggtgttgtg tgatatggtc ccaatggaag cgacccatgt 120

gctgttagga agaccgtggc agtatgatac caaggcagtg catgatggct tcatccaaca 180

aatctctttc aagcaagatg acaacaaaat tgttctcaaa ccgttatctc cgagagaggt 240

ttgtgtggat cagataaaaa tgagagaaaa gaaaaggagt gagacacttg agaggaaaaa 300

gagtgaaaca cttgagaagg aaaagagggg aaagaaaaag agtgaaacac ttgacaggga 360

aaagagagaa aacatataga gtgaaacact cgagagggaa aagagagaaa aca 413

<210> 16120
<211> 379
<212> DNA
<213> Glycine max

<400> 16120

taaaggaagt gaaagaatta gcatgggcag aaatgtcttc gcattgattg gtaaatttga 60

tcccaaatc cttataaat gtaaagatcc aggtacattc aacatacctt gtattatagg 120

gaacaaggag tttgacaatg ccatgctaga tttaggagct tctattagtg ttatgccttt 180

gtctatttt aattctctat ctcttggtcc tttgtagtca actaatgtgg tgattcattt 240

agctaataga agtgttgcct atcctgctgg tttcatagag gatgtcttag ttagagttgg 300

tgaactaatt ttccctggtg attcttatat ttagaatatg gaggaaggat tttctcatgg 360

atcacttccc atcattcta 379

<210> 16121

<211> 416
<212> DNA
<213> Glycine max

<400> 16121

[illegible]

[illegible]gcctatctg [illegible] [illegible]ggagtca cttttccaga gatatgagca gcctcaagga 240

tgatgccaat tttaaatttc atcccaacta tgcaggtatt cagctatctc atttggcttt 300

tgcagatgat attatgcttc tatctagatg agatatccat tctgtgttaa ctatgtttgc 360

ttaagcttcag cacttctgta gggtttcagg gcttttccatc agctctgata aatctg 416

<210> 16122
<211> 413
<212> DNA
<213> Glycine max

<400> 16122

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tacaaagggg aaagggaatg tagtggctga tgcactgtct atgagacatg ctttacttgc 120

tatgcttgaa actaaactgt ttggactcga gtctttgaaa gacatgtatg tgcatgatgt 180

ggactttgct gatatttttg ctgcatgtga aaagttttct gaatatggtt actatatgca 240

taatggattc ttgttaaagc aaataaattg agtgtgccta agtgttccat tatagagttg 300

cttgtgagtg aatcacatga gggggggttg atgggacact ttggggttca aaagaccctg 360

gaaattctgc atgagcattt tctttggcct catatgaggc gtgatgtgca taa 413

<210> 16123
<211> 412
<212> DNA
<213> Glycine max

<400> 16123

tttcttcagtc gtctgtaagg atgatttggt gtcataaagc ggcgatgcct actatagact 60

gttttttctgt catgtttaag ttgtatgtaa cttgtatttt cttcacagat gaggcatgca 120

tgatgaccct taacactgta accgttgaga ttcccatatg ctggaaagtc attaatggta 180

caaaaaagca ttgcacgcat ttcaaaggtc tccttgcgaa acgcatcaaa cactactacc 240

cccttgtccc acaactttct cagatcttca accaacggac ttagataaac atcaatgtca 300

<210> 412
<211> 412
<212> DNA
<213> Glycine max

<400> 16124

tgctttattt aggtgggggc atgcaatcag tttaatatgt tgctggggat ggatatccag 60

ccttttttact gaaatagata ttatagagaa gcatatcaac aaaaagaact gaaaaaaaat 120

taaaattgtt gattttcatg tatttttctt tttgttgttt atctatttca cctgtccccc 180

ttaaaatata ttttcttaat atatcttact gtttccactt ttgatttttg tgaccctcat 240

ttgaaccact ttgttgttct ttacaggaca aaattgaatt aagggaagga tcttggtttg 300

aaccattaaa agatatggaa ggaaagctag tgggtcttgg tagtaaccca ccttatatac 360

caagtaaaga catctctggt ctacaagctg aagttggtag gcatgaacct ag 412

<210> 16125
<211> 390
<212> DNA
<213> Glycine max

<400> 16125

tcttcttaaa caaggttcca gtgtaatatt gatgtgctat aatgatctat aaatagctaa 60

tactaattaa taagcatagt ttaataaact atattgtcct tgaaatattt ctttattaaa 120

ttataagata attattataa aaacaaataa ttttacaaga tatagggact tataattgta 180

tgatcatata ataacctgta cactccaata tttctattgg ttagtcttaa aaagataaaa 240

ccaaatttac aatgaattta tattttcaaa attaaaatca tgaaataaaa gtttatctga 300

tgaataaaca actagttgac tttacacaaa tataacgatg gcatattaat aattgtttaa 360

atctctatta gcacaaactt tttgttttaa 390

<210> 16126
<211> 413
<212> DNA
<213> Glycine max

[illegible]

[illegible]

[illegible]

cuaaactctt gaaattcaat ttgaaaagtc atgatccttc aaaatataat tgtgtaatcg 180

attaccagaa accataatc aattactagt gaagaatttc agaataagct ttttgaaaag 240

acacatctct tcaaaccatt ttgaaaaggc acgaagggcc tatatatatg tgtgtctgac 300

ttcaaaaagt aagagagaga tattctaaga gaacttcatt gccaaatttct ctctcaacaa 360

ctcttgggca aacacttgta aatctattga gacttcatcc aggaatttca aat 413

<210> 16127
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16127

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gtataatgac agaactcgac acatttataa gatactttat cataaatcta aattttattt 120

tgtgaataaa cacatatctc gaggtgttat aatcatagta tttaaatgaa ttttaaactc 180

ttataatttt tgatctaaat tgtaattttg gtcctacctt gttacccaaa tacatgattc 240

tggtccatat atatttttga tgtgacatat ggtccacata gatatataaa ttggcgattt 300

tggtccactt agaacatgat aactaatgac ttcaaataat aaagttatta tatgattcta 360

taatttaatta aac 373

<210> 16128
<211> 416
<212> DNA
<213> Glycine max

<400> 16128

cttcactcgg agatctgatt caggcgcata atatatcgag acgcttgaaa atgaacaacg 60

aaagctctcg agaaatttca atgctcatta tctttaactc ggaggtctga tttaggcgca 120

taatatatca agacgcttga aattgaacaa cggaagctct ctagaaattg aaatggtcat 180

[illegible] 415

<210> 16129
<211> 415
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16129

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acaacattgc gtttgcccat cggtttgagg gtgacaagag gatgaaaata acaatttagt 120

gcccaacttg ctccacaaag tcctccaaaa atggcttatg aacttagagt ccctatcact 180

aacaatgcta cttggcaaac catggagtct cacaatctcc ttgaaaaaca aatcaaccac 240

atgggaagca tcaatcaact gtcttacatg gaataaaatg agccatttta gaaaacctat 300

caacaaccac agaaatggaa attctaccat tgcttgtttt tgacagcccc aaaacaaaat 360

tcatggataa atcactccaa ggaatactac ggaattgaca atggagtata caatt 415

<210> 16130
<211> 350
<212> DNA
<213> Glycine max

<400> 16130

gagcaagact acttcagact gatcaaagtt atttatttta tgaaaaccta tcataacaac 60

tagaatgtat tgcttgccat caaccatgac attattacaa agactatcct atctagacca 120

atatgcttac taaagaagca taactgataa aaagctgtat gatgaacctc atccccatag 180

tgatgtaatc tccattggag cttgtatgcc taggatcctc ttcattaatg gattcctttg 240

cttcttggaa gatgaatggc agtggaatgg ataaggaaga gagagaggag atgccacttc 300

agggagaata tgagactaga agaagctcac caccatagga tgccatggat 350

<210> 16131
<211> 404

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caccattgaa gctcaaagat ccagcctcca tagaagcttc acatgcaagc ttccatcaga 180

gatagtgcaa ttcgatgtca aaacaacctt tctccatgga agattggagg aagacattat 240

gatgcaacaa cctgaaggtt ttgaaatggt agggaagaaa aattatgtat gtacgttgaa 300

aaggttttata tatgggttga aacaatcttcc aacgaagtgg taccagagag tcgatgagtt 360

catattactc atgggtcaac aaaagtgcca atgatcatgt atca 404

<210> 16132
<211> 418
<212> DNA
<213> Glycine max

<400> 16132

tctaagccta ttacagtagt gtacaaccga atactttctt caaataaaag aaagaaggat 60

aaagggaagg tagtggttgt tcctttaaaa attacctttt agtggagtat ttataatgta 120

tatgatctta catggtattt atttgctcta gtgagtgtag acagaacata gagttagttg 180

agcaattaag ttcaccacct ccaaactcca gagttttgta ttttccatct cattttccac 240

aaaatggttg ggaacagttt aaagcatgct tgtggaaaca acatttgttc tattggagaa 300

ttccttcata caacttgatg cgcatcatat ttgtgcgtgt ctcatctctt ttgtttggga 360

tattgttttg gaagcaagga tagacaatgt tagtgatcat aattttattc tacttatg 418

<210> 16133
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16133

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antaacccaa atttgtttaa agacttcaag gagtccatgt ctcgtgaatt tgagatgaca 120

[illegible]

[illegible]gacc ctaacggtct [illegible] gtggggagtt tgaggtatct aaccaatata 360

atggccgata ttctatatgc ggtgggagtt gtgtgtcgct ttatggaggc tcctac 416

<210> 16134
<211> 417
<212> DNA
<213> Glycine max

<400> 16134

tgtatcatct actaactaca aattgatttt ttcatcaaat atttgtattc tacaggatac 60

caataccaag gtgaggattg gtacaattga agtgaatcgc ggcctctatc aattcacccc 120

cgaagcacca aaaacacata ccatatgttc tatcattaca cacccaaagt gtctaatcct 180

cccctgtaaat ctatggcatt ttcgtatggg tcaccccttt cccgaaagat tacaagccat 240

gcaaacatac tatcctttct taaataataa caagagtttc atttgtaata cttgccatta 300

tgccaaacat aagaaattac ctttttcattc tagcacatct catgcattaa atcaattcga 360

gctttttacat gttgatattt gggggtcgtg ctccaaaaca tccatgcatg ggcaccg 417

<210> 16135
<211> 405
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16135

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tgataagcaa ataagcttat taacaccagt tgtgatggat gcaacccccta ttggtgtaaa 120

gttttggggat tgtagcttctg atgttcccaa gaactcgacc tttaagagag ctgacatggt 180

gtctgttact ttctggtctg cgtgccctcg taatgacctt atgactgaag gtacatttcc 240

cctggtggaa tttctccaag gaaaggatat gtgggttcct gcttatgatg atgatgattt 300

ctgcctgcgc ttcaagtggt caagaccttt canactcagt tctcatagta aagctaccat 360

agattggaga atcccaaagg atgttactcc tggtgtatac agaat 405

<213> Glycine max

<223> unsure at all n locations
<400> 16136

nttaactgaat ttgcaacatt ccaaatgatt tttaattggt gtaatcgatt acaatatatt 60

ggtaattgat taccagtgca tctgaacgtt gaaattcaaa ttcaagtgtg aagagtcaca 120

tctttcata aaatgctttg tgtaatcgat tacatggtta tggtaatcga ttaccagtga 180

caagttctga ataaaaagtc aagagatgta actcttccaa tggttttctc aagatttttt 240

caaggttata actcttcaaa tggttttctt aaccagacat gaagagtcta taaaagcaag 300

accttgactt gcattcaaat aacttttaca acttttgaga aatcttgaaa cctttccttc 360

tcatctttct tcttcttcct ttgccagaaa gctttctatg ttttctgt 408

<210> 16137
<211> 400
<212> DNA
<213> Glycine max

<400> 16137

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ccctaagaga ggactaagac agggtgacct actgtcacct tacctgttca ttctacgccc 120

cgagggtcta tctaattaaa accctaacaa agacaacaat aagagaagga actcatggta 180

ttaaggtttg tagaaggact ccaatcctcc cacacctctt atttgctaat gatttttttat 240

ttttttttata ggagtctatt attcttatgg aggttcttac ttctttatgg caaaatctct 300

ggtcaaatga ttaattatca aaagtctgag attttcttca tcgacaacac tgaacacaca 360

attagacacc acgtagcatc tgtacttggt gttaacaaac 400

<210> 16138

<211> 427
<212> DNA
<213> Glycine max

<400> 16138

[illegible]

[illegible]tatatggcc tgcttagact aggaacattc tagaaatgag ggacaaattg ttgttgctgc 241

tgttgttgtt gtggaggatt tgcccatctc agatttggat gattcctcca acctggattg 300

tatttgttgc ttgaaagatt ataattattc tgctgttgct ggttttttg ttgaggggt 360

ctattataaa tgtttgcagc ataggcttca ggttgctcat tgactccagg ttgctgcaaa 420

gaaagat 427

<210> 16139
<211> 419
<212> DNA
<213> Glycine max

<400> 16139

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gagtctaatg ccattcttcc aaggaaggat tttttagatg atatttcaga ttccgtagaa 120

gatacacata ttcatggaaa tgattctaaa gaaaaagatg aaggaagcaa tgaggattct 180

caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc ctcaagagat 240

catccctcg acaacattat tggtgatata tcaaaagggg taacaactag acattctctt 300

acagatttat gcaataatat ggcttttgta tctatgattg aacctaaaaa tataaaagaa 360

gccataggag atgataactg gatcattgcc atgcaagaag aactgaatca atttgaaag 419

<210> 16140
<211> 387
<212> DNA
<213> Glycine max

<400> 16140

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ttagacactt cctgagcagg tacgagcagt tatgcatgtg ggatcagcaa ctttcattat 120

cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180

catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240

<210> 16141
<211> 395
<212> DNA
<213> Glycine max

<400> 16141

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gttattattt ctttcttcgt cattgaggga aacacttggg ttgccagatc cctccacctt 120

tgggtgtatt ctttgaaaga tctgtgcccc ctttttgcac atgttctgta gttgcatcct 180

atccgaagcc attatactga cactgcctaa cgaaggcaac cattaggtcc ttccaagcat 240

agactcggga aggttccaag ttagtgtacc aggtaacagc taccccagta agactttctt 300

ggaaggaatg tatcagcaat tcctcatctt ttgcgtatgc ccccatcttc cgacaatgca 360

tctttagatg gttcttgggg caagtattcc ccttg 395

<210> 16142
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16142

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cctctgatta ttgtagtggt gaacgaggtt tatttagttg ttaatcattc catgaaccct 120

tttccttaca tcctcttttgt agttgcagag gttcaatatc taagccagga aaaaaaactt 180

attagtcatc taaaatcttc acaaatgtaa cctaatggtg ccaaatagcc acatgtttac 240

ctgctcagga gcacctttgc tagatcgatc ccaatttcga tcagaatcaa tgtaagttag 300

aggagtcctc ttgtccacaa gattgaatgg aagaaagtgg acctccctaa taccagctcg 360

tgcctgatca gttcatagga aaagtgaatt tatttatcac cattcatccc acatcataaa 420

agataatc 428

<400> 16143

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acaagaataa atacgatgta tgttatccat tcttgtggat aaattcttca aactttctgt 120

tatgggtttc tttggactgt gattgcctta cttttgtatg tgtattggtt acctatatat 180

ggctgcagga tgagcaatac cgcgccaaac taaacaagtc aaatgagagg actctatcac 240

ttatcaaagc atgaattgat actgtggtag cagtaagact gcttcaatcg gcacccaaga 300

cagctactcc tcgcgtaact ggggcttttg gatttgattc gtctctaata tcttgctatc 360

aggtacctgc tagtataa 378

<210> 16144
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16144

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catgaggtca tttcttcatt cagctttgaa gagaatgcca tgtatcactg tatataccag 120

aaggtcagtg agagtaggat ttgtttcctt gtattatacg tagatcatat tttgcttgcg 180

actaatgata agggtatgct atatgaggtg aatcaatttc tctcaaagaa ctttgatatg 240

aaggatatgg gagaggcatc ttatgtcata ngcataaaga tccatagaga aagatctcga 300

ggcattttag gcttgtccca agaaacctat atcaacaaag ctttagagag aattaacatg 360

aaagattgtt caccaagtgt agctccc 387

<210> 16145
<211> 421
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16145

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[illegible]

[illegible]

[illegible]

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gttgttccct catgtgtaac ttgtagagtg tcccacatat ccttagcact cttacaattt 360

gacaccctan aatattcatc cattcctagg gcagaagtaa tgatatttntt agcctttaaa 420

t 421

<210> 16146
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16146

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atccagtaga atatggtatg gaaggttggt tgtggggaca aaatcaaatt ttggcaagat 120

tcttgactga gtgagggctg taagcatttc aaaaaaagat tcttggcaat atggaaggaa 180

ggttagttta ttaataatat tcaaagaaag attctcagag tagaacccgt gcagaccaac 240

cctggatggg attcagtttt cttctcttgg ccaagggcag aaggaaagcc ttgctgctag 300

attctctgaa gtggaaatta agtctgcagt ttgggcttgt agtggagata aaagccctgg 360

cccgtatggt ttgaacttca actttatcaa gtagttntgg gaaattctaa aacctg 416

<210> 16147
<211> 390
<212> DNA
<213> Glycine max

<400> 16147

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ctatgcgaga catcttgcca aacaaagtca ggttaacgat aactcgcctg tgcttttttct 120

tccatgctat atgtagcaaa gtcattgatc cagtaatgtt tgatgagttg gaaaatgagg 180

ccacaattat actgtgcctg ttggagatgt attttccccc tgctttcttt gacatcatga 240

<210> 16148
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16148

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caacagtcac atgtttttac ttggttcttg aatggccatc aaaggcttat atatatgtga 120

cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcgtt tnatcctctt acaaattcct tggccaaaac acttgtgatt caataaggat 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattact tcttttcttc 300

ttctttattc tgaaaaagga ttaagagacc gagggtctct tgttgtaaag aaatctgaac 360

acaaaggaag ggttgtcctt gtgtagttca gatcttgtaa taggctntta caagatagtg 420

gaactct 427

<210> 16149
<211> 385
<212> DNA
<213> Glycine max

<400> 16149

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aaatatctta agaaggggggg gggggttgaa ttcagatatt ccaaactact tccccaatta 120

aaaatctatt acacttttta atcaagttat gaattccctt aatgataatc ttcttaaata 180

ttaatttcaaa taaaacaatt tgaatatgaa tataaaacaa taatatattaa aggacgatta 240

atggaagcga gaatgcaaac tcggttttat actggttcgg ccacacccct gtgcctacgt 300

ccagtcccca agcaacccgc ttgagagttc cactatcttg tacattgctt ttacaagttc 360

taaacacaca atgacaatcc ttcca 385

<211> [illegible]
<400> 16150

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atgaattatg aagccaggaa cattctatgc cttgccacaa agtcctcagc tatttaagca 120

aatgctaatg gtagctggtt ttgacaaata ttatcagatt gcaaggtaat attttcgtct 180

tatgtttgag tctttatttg tagcttggct tcttttacga gaatatgtta ttgtcccctа 240

tgtagrgctt tttcttttt ctcttttaag ttttttccct atattaatat gcattttgtt 300

taagtgactt tcataaacta agaatataga atgcttgttt ttgtaagcta tactaaactt 360

aaaattgaaa caattatgat gcaagtgact tttcttttg gataaaatgc a 411

<210> 16151
<211> 386
<212> DNA
<213> Glycine max

<400> 16151

tagctttgga gtttccaagt gccaattcgt cctcttcttt agtccagtct tcttctggct 60

tcaattcatc agtgggcttt ccttctgtgt ccagcatctt gggatgttcc cagcctttga 120

tgacagcttt ccaggttctg ctatccagtg atttgaggaa ggccaccatt attgctttcc 180

agtattcata gttgcttcca tcaagaattg gtggtctgtt cactggtcct cctcttttct 240

ccatgttcat cagaatttat ctccccagat ctcactctgt gatttcgagt gttggctctg 300

ataccaattg aaattctgat accaggggac agatgtcgta caggatgtca cgacatcacg 360

cttcagaaca tgcagattgt atgtgt 386

<210> 16152
<211> 391
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16152

agcttttcc tngttggaag gcaacgacaa agggatctca gatagtttca ggcaagcttg 60

[illegible]

[illegible]

aacnnctcgt gtttccatta ggtatcttgg attaccgtag agcatccacc gaggatccct 300

gnngaggtgct agtgcaatgg aatggtctct cacctgatga tacctagtgg gaggattgga 360

atcagctgtg tgaaaactac caccttgagg a 391

<210> 16153
<211> 417
<212> DNA
<213> Glycine max

<400> 16153

tgatgagaaa taaatgtttt gcttggtaca acatctatgt tatttaatga gatcattaca 60

ttatttgtgt cttaatagga agtgaaggac atacattaga ggaagccaaa tctatcaatc 120

tatccttgag tgcattgggg aagtgtatta acgcacttgc agagaatagt gcacatgtgc 180

catttcgtga ctcagcttac tagattgcta cgtgattcat ttggaggtaa gattcagtga 240

gtataataat tcatattttg tctttgttca tttatacaaa gcagtaagat ttggcaaaat 300

actcnttcct actttcagga cgtgagacag atgaagtcga gcccataccg gatgctctgc 360

ctaanctgga acagtaagct gcctaatgtg tctttgatgc attttagaag tctaatc 417

<210> 16154
<211> 397
<212> DNA
<213> Glycine max

<400> 16154

agcttcatga aaaagatggc ctcagcaaat tccttatttc cagaaggaaa trctatcaac 60

agacctccaa tctttaatgg agagggttac cactactgga aaaccccgaat gcaaatttct 120

atcgaggcaa tagatctaaa tatctgggaa gtcatagaaa tagaggcttn tataccccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300

aacataataa catctgccct aggaatgggt gaatatttca gagtttcaaa ttgtaagagt 360

<210> 16155
<211> 426
<212> DNA
<213> Glycine max

<400> 16155

tgtgggatgg ctttgaagat tgatatcaat aaggcctttg atagggttga ttggaattat 60

ttgttggttg ttatgatcaa gatgtggttt catcagaaat gggtggattc gatgaaactt 120

tgccttgggt ctacgcaatt ctcagtaatg gttaatgagg attctttggg acctatttct 180

cctaggagag ggctaaggca gggtgaccaa ttgtcacctt acctgttcat tatttgcact 240

gaaggtcttt cttcccttct aaaaaaaatct gagaggagtg gtgagttaca tggtatcaag 300

gtgtgtaaag gagtccctgt cctctcacac cttttacttg ttgatgattg tttttgtttt 360

gcagggtaaa tgatattgag catattgctt tgaaagctat tctagattcc tatggtgaaa 420

attctg 426

<210> 16156
<211> 384
<212> DNA
<213> Glycine max

<400> 16156

agctttaaaa gattggctaa gattttgtta aaacataagc acttagacaa tgaaggaaag 60

ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120

gcataagtca agataaaatg tcaaatgaag cattgaagct gcaggatcca cgatgtcgga 180

tacgatgtcc tgacatcttg cccgaaaata ctggacacat gaatctgtta tatctttaac 240

agattattgt gcagttagca agagataaga agatctatct ttatgaacga attaaaagat 300

aattaaagtt cgaatttcaa agtagaagag ttcgttcagg gattaaagat tatagataaa 360

aactaaaaga tcaaactgta tctt 384

<210> 16157
<211> 333
<212> DNA
<213> Glycine max

[illegible]

aaaatggtgg cattatttgg ataatcttct tgggccaccc ataccggcag aatatctctt 180

tcttaatgaa cttgaccacc acacttcctt tgtacaactg gcatatgaag cagcttcaac 240

ccatttggtg aagtaaccga tctgcaccaa aatgaagcga cgtctattcg gagcccttgg 300

ctcaataggc ccaatcacat ctattcccca cat 333

<210> 16158
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16158

tatagaaact caagcttctc gagaaattcg aatggttata acgttttcac tcaatangtc 60

ctgatgcggc gaacatcaac tcatgtagac gctcgaagat tgaacaacgc acgctctcga 120

gaaactcgaa tggtcataac atttcgcaca catgtccaaa tctgtgacct aacatttcta 180

gacactccgc actggctgga taaagatctt gtcatatcca aactgcagta acatcgcgcg 240

cgccatgcct atataagctc gcgagcaacg gcactccccc ccaacat 287

<210> 16159
<211> 342
<212> DNA
<213> Glycine max

<400> 16159

agcttcaaga aaaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggccac cactactgga aaacccgaat gcacattttt 120

atcgaggcaa tagatctaaa tatctgtgaa gccattgaca tagggcctta tataccaacc 180

acagtacaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagaca gacggtctga agaggataga aaacgagtac aatacaacct ataagccaaa 300

aacataatat catctgccct aggaatggat gtaatattca gagcttcaaa ttgcgagagt 360

<211> [illegible]
<213> Glycine max

<400> 16160

tgtagggtta aagtctcacg attgtgacgt gtttattcaa caattgttag tcgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcttgcgct ttttcttcca 120

tgctatatgt agcaaagcca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattta 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatc tacaatggat 300

gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360

agaagcatct attgtagaga ggcacatt 388

<210> 16161
<211> 395
<212> DNA
<213> Glycine max

<400> 16161

agctttgagc aaattcaaac gacaataacc ttttactcgg atgtctgatt gagtcccgta 60

atatatcgag acgctcaaaa ttgaatgttg aacctctgag caaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagttccgt catatatcga gacgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

tagtatatcg agacgctcaa aattgaatgt tcaacctatg agccaattca aacgacaata 300

actttttact cggatgtctg attgagtccc ataatatatc gagaggctcg aaattgaatg 360

ttgaacctct gaaccaattc aaaagacaat atctt 395

<210> 16162

<211> 429
<212> DNA
<213> Glycine max

<400> 16162

[illegible]

[illegible]tcgata tattacggga ctcaatcaga catccgagta 60

aaaagatatt gtcttttgaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgat 300

atattatggg actcaatcag acatccgagt aaaaagttaa tgccgtttga attggctcag 360

aggttcaaaa ttgaatttcg agcgtctcga tatattacgg gactcaatca gacatccgag 420

taaaaagtt 429

<210> 16163
<211> 423
<212> DNA
<213> Glycine max

<400> 16163

tgtaaggtta aagtctcacg attgtcatgt gctcatgcta caattgttag ccgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt cacaataact cgtctgtgct ttttcttcca 120

tgctatatgt agcaaagtga ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgcggt cctgtttatc tacggtggat 300

gtacccgatt gagcgataca tgaagatctt aaaatggtat acaaagaatc tatatcgtcc 360

tgaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt gttcagaata 420

ctt 423

<210> 16164
<211> 392
<212> DNA
<213> Glycine max

<400> 16164

agcttctaat gtatgtaaga tgtgtattgc ctctaaatga gctacaggtg cataagtttc 60

tttgtagtct attccttctt gttgagagta ttctttagca actaaccttg ctttgttttt 120

cacaaccttt caatttttcat tcagtttggt ttgaaagact catttctctc caatagcttt 180

atcaactaga tcaccaataa tttgactttt tg 342

<210> 16165
<211> 327
<212> DNA
<213> Glycine max

<400> 16165

atcttacgct cgttcaactg cacaagactc ttaatatttg aagagtatac atgtggaacc 60

ttcacctgac gaagacactg acagaaactc atcttatcct ttttggacaa agtatgacaa 120

gctgctggca ggttgattgt attcccatca gaccttggat gcaactgtga tcgtatcccc 180

atcttagata catcttgacg gagattcaat ccatacttca tcttgccttg aatgtcaaag 240

agcattccag tcactctgtc acgtacattt ttcttctgat gcatatcatc cgaccaatgc 300

cttacgctta gatgacacca tgactgc 327

<210> 16166
<211> 372
<212> DNA
<213> Glycine max

<400> 16166

tgcttttgag aaattcaaat ggtcataact tttcacacgg atgttagatt aaggcgcatc 60

gcatatagag acgctcgaaa atgaacaacg gaagctctcg agaaattcaa atggtcataa 120

cttttcacac tgacgtccga ttcaggctta taatatattg atatgctcaa aaataaacat 180

cggaagttct agagatattc aaatggtcat aatttttcac atggatgtcc gattccggcg 240

catcatatgt cgagaggctc aaaattgaac atcggaaggt cttgagaaat tcaaatgtgc 300

ataacttttc acacgaatgt ccgattaagg cttataatat atcgatacgc tcgaaattaa 360

acaaaggaac tc 372

<210> 16167
<211> 410
<212> DNA
<213> Glycine max

<400> 16167

angagacatc ttgccaaaca aagttaggtt agccataact cgcctgtgtt ttttcttcca 120

tgctatatgt agcaaagtca ttgatcctgt taagtttgat gagctggaaa atgaggcctc 180

aattaactg tgccagttgg agatgtattt tccccgtgct ttctttgaca tcatgattca 240

cttgattgtg catcacgtta gagaaatcaa atgttgtggt cctgtttatc tacggtggat 300

gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360

aaaagcatct attgttgagc ggtacattgt agaagaagcc attgaatttt 410

<210> 16168
<211> 387
<212> DNA
<213> Glycine max

<400> 16168

agcttatag aaacctttgc tttttttgct agacttgaag ctataagaat catgctttcc 60

tttgctactc ataaaaatat aaagttattt caaatggacg ttaaaagtgc tttcttaaat 120

ggctttattg aagaggaaat atatgtcaaa caacctcttg ggtttgaaga tcatactctt 180

ccagaccatg ctttcaaact taaaaaagct ttgtatggtc taaaacagga accacatgct 240

tggtgtgaca gactgagttc atttctctta gaaatggttt tattaaagtc aaagtggata 300

caactctttc taaatgagaa gttggcaaag atttcattat agttcatatg tatgttgatg 360

atagtatttt tgaagctact aatgaat 387

<210> 16169
<211> 393
<212> DNA
<213> Glycine max

<400> 16169

agcttttacc tttcatttta acccttagaa cttctcggcc aacaatgtca tagataaaga 60

aatgttgatg ttcaaaggac actttaaatc ccttttttaat caactgacct acacttagca 120

agttttggtc aatgttaggt acataaagaa catctgatat tagtttgata cctgaacacg 180

[illegible] 240

<210> 16170
<211> 432
<212> DNA
<213> Glycine max

<400> 16170

ctcacgcttc atgcttaact atgtatggca aaacttcatt attgttgttc atgacataca 60

agtgagcttg taacagatct tctacacttg gagtgatcac atgcagtcct tttgaaccct 120

taccacccac tttgtcatca tgccgagact caggaagccc aacaggttta gccttctcta 180

agtattctga acaaaattca atggcttctt ctgcaatgta cctctcaaca atagatgctt 240

ctggacgata tagattcttt gtataccctt ttaagatctt catgtatcgc tcaatcgggt 300

acatccaccg tagataaaca ggaccacaac atttgatttc tctgaccaga tgcacaatca 360

agtgaatcat gatgtcaaag aaagcagggg gaaaatacat ctccaactga cacattataa 420

ttgcggcctc at 432

<210> 16171
<211> 393
<212> DNA
<213> Glycine max

<400> 16171

ttgctttttc cttattcctc aaagaaaagg ccaacgtatt tgcatggaag ccggtggata 60

tgttgagcat agatccaaac tttttctgtc ataagttgat agtaaaccct ttagtgaaac 120

ctgtgtgtca aagaaggagg aaaatgactc tcgaatgcct agaggaaatt gaaaggcaau 180

tgaaggagtt gctaaggaaa ttgaaaggca agtcaaccct tcagcggaac ctttcatacg 240

acttggctgg ccaagatcat cctagttaac aagcataacg gaaaatggag aatgtgcatt 300

aactacttga tctaaacaaa cattgtctga aagactcata tccgcttccc gacatagata 360

aaatggcgga tagatctttc gactactgat att 393

<400> 16172

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cccgacgaag acactgacaa aaacttatct tctcctttt ggacaaagta tggcaggctg 120

ggggcaacta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt atgcccatat 180

cagcgagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaagaagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtgtaa 300

cgtcaagatc agaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tcttactttt atccttcttt tgggtctttc caaatacaat attcaggtgt tgaacccgct 420

catata 426

<210> 16173
<211> 381
<212> DNA
<213> Glycine max

<400> 16173

ttgtttttta tgcattagcc tgagcaatct ttgaatctca agccaatttg aattgcatgt 60

gaaagttatg aacaaattag gaaacccaat aaccccacaa attgtcattc aatcaaaata 120

tagttgatcc atatatcttt gatttcgaac aaaagttaag ggtagaatga ctcttttccc 180

tttatttgac cctgatttt gggtctgatc ataacattac tgcaatttgt tggattcatc 240

aactcttaat tatttttgt gagtcctgat gaaatacaat ctttcggact ccatcatgca 300

atatctgtca tctacaaatt gttgaaaaag tttcctagat ctcaacattg tccttcatct 360

tttctggtat gaatacaaaa a 381

<210> 16174

<211> 389
<212> DNA
<213> Glycine max

<400> 16174

[illegible]

gatgctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttcagttctg 240

tcaacatattg agatgctcga aattgaatgt tgaagctctc ggccacttca aacgacaaca 300

acattttact cggatgtctg cttgagtccc gtaacatatc gagacgctcg aaattgaatg 360

ttgaagctct cagccaattc aagcgacaa 389

<210> 16175
<211> 426
<212> DNA
<213> Glycine max

<400> 16175

tagtaaagct aggcactaac agaatttgct caatgcatca acattcaatt tcgagcttct 60

cgatatatta cgggactcaa tcatacatcc gagtaaaaag ttattgtcgc ttgaattggc 120

taagagcttc aacattcaat ttcgagcatc tcgatatgtg acgggactga atcagacatc 180

cgagtaaaaa gtcattgtcg tttgaatttg ctcagagctt caacattcaa tttcgagcgt 240

ctcgatatgt tacgagactc aatcagacat ccgagtaaaa agatattgtc gtttgaattg 300

gctcagagct tcaacattca atttcgagca tctcgatata tgacaggact caatcagaca 360

tccgagtaaa aagttattgt cgtctgaatt ggctcagagc ttcaacattc aatttcgagc 420

gtctcg 426

<210> 16176
<211> 422
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 16176

tgtaaaaagg gaagcaagtt aaaaactcct ttcattttaa aaacgttgtt tctactacaa 60

aacccttga actacttcac atcgatttat ttggtccctc tagaactatg agtttaggtg 120

gaaattacta tggcttagta atagtggatg attactcaag gttcacttgg actttgtttt 180

tgaaaaccaa aaaaagaagc ttttgatgct tttcgcaaac ttgccatggt gattcaaaat 240

gaaaaaggtc tcaacattgt ttcaattaga agtgatcatg gaagtgaatt tcaaaatgat 300

tgttttgaaa actttgtgta agaaaatgga atttaccaca aatttntatgc ctccaagaaca 360

cctcaataga atggtgttgt ggaaaggaaa aatagatccc ttaaagaagg tgcaagaacc 420

gt 422

<210> 16177
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16177

trgcttttac caaagagatt ttactctctg gtaatcgatt accagtggca tgttttgttt 60

tcaaaaagct ttcaactaaa tttacaacat tccaatcaat ttcaaaatgg tgtaatcgat 120

tacaatatat tggtaatcga ttaccagtga gtttgaacgt tgaaattcaa attcaaatgt 180

gaagagtcac atcctttcac aaaaatgctt tgtgtaatcg cttacaatga tttggtaatt 240

gatnaccagt gataagtttnt aaacaaaaat caaaagatgt aactcttcca atggttttca 300

agtttttcta aaggttataa ctcttctaat ggttntcttg accagacatg aagagtctat 360

aaaagcaagt ccttaacttg catttt 386

<210> 16178
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16178

tagtcctag cttagccgat aaggttttcc aaaagtgtgc taaggaactt aacatttcta 60

tctgacacaa tggtcctagg aaaaccatgg agtctcacaa cttcccttaa aaagagtttt 120

aagangtggg aagcatcatc catcttgtgg catggtnaaa aatatgccat cttgctaaac 180

ctatccacca ccacaaagat aaaatctaca cctctttggg tttnagaaag cccaaggaca 240

aagtccatac taatgtctac ccaaggtgca gatgggatgg gtaagggtgt gtatagccca 300

tgaggcatca ccctagactt ggcttgtaaa caagccacac acctagtgca aagcttatgg 360

atatctttct tcacacgggg ccaataaaac ttgtctctga gtatgacaag ggtcttgtct 420

atccca 426

<210> 16179
<211> 388
<212> DNA
<213> Glycine max

<400> 16179

agcttgtgtt agttgtatgg ccttagccaa ggaaaacaag aacaaccaaa cactttcata 60

aaagagtaat caggttgttt gttgaatagt ttctgataag gaacttcatt atttatagca 120

tatgagggca atctgttgat gaggtaaatg cttgagacaa aggcatggtc ccaataatga 180

aaaggtaact tggcttgaga tagaaaagtg agacccaact ccacaacatg tctgcgcttg 240

ctttctacta ctccattttg gtgatgagta tgatgacata ttagtttgtg ctgaatacca 300

tgctctgtca agaattttgt gaaaggtctg aactcccctc cccaatcaaa ctgaatagcc 360

ttgatagaca tattaaactt atttgaaa 388

<210> 16180
<211> 381
<212> DNA
<213> Glycine max

<400> 16180

ttgcttataa tatatcgata cgctcaaaat taaacatcga aaactctcga gaaattcaaa 60

tggccgcaac ttttcacacg gatgtccgat tcggtcgcat aatatgtcga gaggctcgaa 120

attgaacaac ggaagctctt gagaaattta gacggacata actcctcaca cggatcgacg 180

acccacgcaa accacatgaa tagacgctca caatcgtaca tcggctgctc ctgagaaatt 240

caaacgatca taacatctaa catggatggt caatcaaggc tcgtcacata ttgagacact 300

ggaacttgta ctgcgtgagc tgtggtgcaa ttctagaggc catatctgtt tacaccgcga 360

gccgactaag acttatcata t 381

<210> 16181
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16181

nnaantnagc tgaatcggac atccgtgtga aaagtatgac cttttaattt ctcaagagct 60

ntcgttggta aattttgagc ctttcgacat attatccgcc cgaatcgcac atacgtgtga 120

aaatncatga tcatttgaat ttttcgagag cttccgatgt ttaatttcga gcgtatcgat 180

atattacaac cctgaatcgg acttcagtgt gacaagttat gaccatttga atttgacgag 240

aqctncggct gttcaacnnc caacatcact atatcngacg cgcccaaatc ggacattcga 300

ntgaaatgtt atgaccattt ggatttcttca agagattccg ttgtttattt ttgag 355

<210> 16182
<211> 414
<212> DNA
<213> Glycine max

<400> 16182

ttacatccca tgttgtgata aaatcttttа tataattagt tatgttgagg ttatgaaatg 60

atgattcaaa ctgtgagtat gtgataaatt gaacatgtga cggatgatga aatacatgtg 120

tattgagatg agatgtgtgt attgagttgt gaactataaa ctatgcaatc acacaattgt 180

aagacccttt aagggcgacg agtattgtga tgggatccac tgtgggaatc cgacgagtta 240

aaatgatttt gaaaacaatt gagtaaatgt gtgtatttca tagttcatag ataaagtgta 300

tatgattcat gaggtgtgat aacatgttaa attgtgatta taccattgcg attaagatta 360

agtgtatgtg ataaattgag tatgtatatg attgagatat atatgtacat tgaa 414

<210> 16183
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16183

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taaaaaattta tagtcgtttg aatttgctca gagcttcaac attcaatttc aagcatcttg 120

ctatattacg ggactcaatc agacatccga gtaaaaagtt tgttgtttga attggctgag 180

agcctcaaca ttcaatttcg agcgtcttga tatattaagg gactcaatca aacatccgag 240

naaaaagaaa tgggcgctgg aagttgctca gagcatcgac actgaattgc gagcgtctcg 300

atatattacg ggactcaatc agacatccga gtaaaatagtt attgtcgccg gaatatgctc 360

agaggttcaa cattcaattt cgag 384

<210> 16184
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16184

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gtggccaaag atgcatggga gatccttgaaa atcactcatg aaggaacctc caaagtgaag 120

atttccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcctgcac tgccttggga 240

gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattggtt ctcttcanac ctttgagcta ggactctcgg atagggctga naagaagagc 420

aag 423

<210> 16185
<211> 397
<212> DNA
<213> Glycine max

<400> 16185

tggtcatagc aaaccacttt gcatgccaaa catgtgttct cagcctcttg gttacatccc 60

tagaagtgca aaaaccattc tctaggtttt tctttagttc atatctccga tgaacacatc 120

gaggaagctt cttttggtga ttctcctcca aacctgattt ggcaagggct ttatcaatta 180

ttcccagttt ctgcctcttt cttctgcacc cttttcttgc aattttggtta tcaaacacaa 240

ttgtcattct tctcttgttc tttgaggacc tataatcatt gcttactcta ttttcnatga 300

tagattgaag actatggagt tcgagagcac gggattcagc atatttctgc aaattgattt 360

tccaaggtgg tggtggtggt gtatgtactg aaacttg 397

<210> 16186
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16186

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ctgtcttact ggtttagccc catcctctaa atttatttga tgcatacatg tggatgggct 120

aatacccagga atgtccgcca gggtccagcc tataaccttc ttatgctttt tgagaactga 180

taacagcttc tcctcttgct cattagcaag ggaggaagat ataattactg gaaaactatt 240

gctatcatcc aagtaagcat attttaaatt tgatggtaga ggctncaatt ctggtgtggg 300

cgattagata atggtagaaa gagatggttt ctcagcctgt acctcataca gaaagtcaga 360

ggtatgtgta cttcctga 378

<210> 16187
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16187

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taggatatcg agacgatcaa acgacaataa cttttaattc gaatgtctga ttgagccctt 120

taatatatcg agacgctcga aattgaaaac agaagctcta tgaaaagtca aatggacaaa 180

actttcaatt cggatatctg attgagtccc gtaatatatc gagacgctcg taattgaaaa 240

ctgaagcttt gaggaaattc aaacgacaat aacttttgaa tctgatgtgc gattgtgtcc 300

catacgatat cgagatgctc gttatt 326

<210> 16188
<211> 419
<212> DNA
<213> Glycine max

<400> 16188

tcaacatcag acccatttcca gggtgctgga actacttcac atggactttga tggggcctat 60

gcccgttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

attcacctgg gtcgaacttta tcagagagaa atcagaaacc ttfgaagtat tcaaagagtt 180

cagttcaaga cttcaaaagag aaaaaggattg tgtcatcaag agaatcagga gtgaccatgg 240

cagagaaattt gaaaacagca ggttcactga attctgcaca tctgaaggca ttacttcatga 300

attctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acaggactct 360

gcaagaggct gttagggtca tgcttcatgc caaagaactt ccctataatc tctgggctg 419

<210> 16189
<211> 402
<212> DNA
<213> Glycine max

<400> 16189

tgtattcata gaacatttga tattagtatt ttgttattaa aaaatatttt tggcccctaa 60

ttatttccga taaaactatc aattctgcaa caaaatggct catgtttgta atgcaagaaa 120

agtgatggat aagatagaag aaaccgtgaa tatttttggc attggaatag acattccacc 180

catttcatct agataaagac aacgtggtct atcataacta gttcccgtca agaaaaaaag 240

cacagcgcca aaaacgccaa taaatccatg acatgggatt ctatttcaca acccagcttg 300

gtagagggtg tttcttcctc caccctataa aaataaaaga gcgtcccttg tatattccca 360

aaaaaactaa tgtaaaatgt aatttacatc taggattact ctttacgaaa tataatagga 420

tg 422

<210> 16190
<211> 412
<212> DNA
<213> Glycine max

<400> 16190

tggaggcatt accttatggg atctaaattt tagttgttta gtgatgataa gagccttaga 60

tatttgtttg atcaaaaaga gcttaacatg aggcagagga gatggttaga gttccttaag 120

gattacgatt ttgaggttag ctatcaccca ggtaaagcca atgtagtagt tgatgccttg 180

agtagaaaat cccttcaaat gtctgctttg atggttagag agttggatct cttacagcag 240

tttagagaca tgagtttggc atgtgagatt acctctagta gcattaactt gggtatgttg 300

agagtcacca gtgaactctt gagcgagatc cgtgagggtc agaagtctga cccattcttg 360

ttagctcagt tagagtccat agttgcaggg agaaagagta gtcttagagt gg 412

<210> 16191
<211> 418
<212> DNA
<213> Glycine max

<400> 16191

nnttcgatata ttatgcacct gaatcagact tccgtttgaa aagttatgac catttgaatt 60

nnttgagagc ttccgttggg caattttgag cgtctcgata tattatgcgc ctgaattgaa 120

cnttccgtgtg attagttatg accatttgaa tttctcaaca gctttcgttg ttcaatttcg 180

nnfcgtctcgg tatattatgc gtcagaatcg gacttccgtg tgacaagtta tgaccatttg 240

aatttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gcaccttaat 300

cagacttccg tgtgaaaagt tatgaccatt tgaatttctc cagagcttcc gctgtttaat 360

ttcaagcttc tcgatatatt atgcacctga atcagacttc cgtgtgataa gttatgac 418

<210> 16192
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16192

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atggtttagt gagaatggag agctaattgt agatagacaa gttttgatat gcttctccat 120

tggaaaatat gttgatgaga tactatttga tgtagtcccc atggaggcta gccatcttct 180

acttggaagg cnttggcagt atgatagggg tgctgtccac aatggtgtca caaacaaatt 240

ttcatttgta tataaagggc aaaaggttac ccttaaacct ttgtctccaa gtgaggtttg 300

tgaggatcaa anaanaatga gagtgaaaag agaacaagag agaaaagaag agaaaaataa 360

aattnatgaa aagagaggag aacaagaaag gagagataag aaagaaaata gtggaggtaa 420

aaaaaggagt gaaactgaaa 440

<210> 16193
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16193

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atagggattta agaaaactct acgtgaaaga gaggagaaat ataaagaaaa tangcgaatg 120

ttctgaaaga ttcttctatc aagaagagaa tttcaatttc tcactttcta gaaggaaatt 180

gaaattccac atttttagtt gtttaaaatt atgttttaaa atttcaaaat ttaaatttct 240

catnacacac catccccaca atggaattta gattatagaa agtgaaattc tctgatcaat 300

aactgtccac aattaaaatt ctttatccaa aggtactcta aggcttactt tacaccttcc 360

tatgtatgtt gaactcacta ggcttgtttn ncacactntt agaagttcaa tattcact 418

<210> 16194
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16194

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

attttgaaa gttnggcaac gcaagtatgg aggcattaga tagcttttgn nnaagaacat 300

tgaaagcttc ttcttgtttc tctccccatt tgaaaccagc atttttcttg agcacttcat 360

tgagaggtgc taccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaa 418

<210> 16195
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16195

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tgtaacaaat gttctacact tggagtgatc acatgcagtc ctcttaaacc cttaccaccc 120

actttgtcat catgctgaga ctcaggaagg ccaataggtt tagcattctc taagtattct 180

gaagaaaatt caatggcttc ttctgcaatg tacttctcaa cnatagatgc ttctggacga 240

tatagatttct ttttataccc ttttaagatt ttcatgtatc gttcaaccag gtacatccac 300

catagataaa caggacacca acatttgatt tctctgacca gatgcacaat caagtgaatc 360

atgatgtcaa agaaagcagg gggaaaatac atcttcgact ggcacagtat aattgc 416

<210> 16196
<211> 384
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16196

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atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgaggcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctctga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgactctcg 240

tcacatatcg agatgctcga aattgaatgt tgaagctctg agcgaattca aacgacaata 300

actttntact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaattc aaac 384

<210> 16197
<211> 385
<212> DNA
<213> Glycine max

<400> 16197

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aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 120

atatgacagg actcaatcag acatccgagt aaaaagttat tgtcgtttga attagctcag 180

agcttcaaca ttcaatttcg agcgtctcga tatatcacgg gacttatatca tacatccgag 240

taaaaagtta ttgtcgtttg aattggctca gagcttaaac attcaactgc gagcgtctcg 300

atatatgacg agtctcaatc agacatccga gaaaaaagtt attgtcgtat gaattggctc 360

agaggttcca cattcaattt cgagc 385

<210> 16198
<211> 379
<212> DNA
<213> Glycine max

<400> 16198

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tattgaataa cagaagctct cgagaaattc gaatggtcat aacttttcac acggatgtcc 120

gattcgggcg cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat 180

tctaatggtc ataacttttc actcggagga ccgattcagg cgcataatat atcgagacgc 240

tcgaaattga acaacggaag ctcccgagat attcaaatgg tcataacttt taactcagag 300

gtccgattca ggcgcataat atatcgagac gctcgaaatt gatcatcgaa agctctctag 360

aaattcatat gcgcataac 379

<210> 16199
<211> 352
<212> DNA
<213> Glycine max

<400> 16199

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acatcgaaac gctcgcaatt gaaaacagaa gctctgtgca aattcaaacg acaatacatt 120

ttaactcgga tgtccgattg agtcccgtaa tatatcaaga cactcgaaat tgagaataaa 180

agctctgaac aaattccaac gacaataact ttttactcgg atgtccgatt gagtccagta 240

atatatctag acactcgaaa ttgagaatag aacagctgag caaatttaaa cgacaatgac 300

ctttttactc ggatgtccga tggagccccg agcgtctcga tatattatgc gc 352

<210> 16200
<211> 348
<212> DNA
<213> Glycine max

<400> 16200

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gtcgccaaac cactcaacaa tctgttgaac aaggatgttg cattttgtgt ttaatgaaga 120

atgtgtggaa gtattttaatg atctcaagat caaactagta gctgttccag tgcttatagt 180

ctttaatgat ctcatgatag tgaggcttgt tttgaagaag acacgttgga gcatgagatg 240

caattaatag ccttcagccat ggtattacag tctcctttgg aagaagaatc caacaatgtg 300

ctagaatgcc tagtcagtga aaatgaagga gaagagctag cttgtattga agagctggat 360

ggtccagaag ataagtctgc tggtcatgtg atgtttga 398

<210> 16201
<211> 388
<212> DNA
<213> Glycine max

<400> 16201

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attgcatcca gcagaggtat gtttacctct acttttctaa atgtttccaa tatctcctta 120

tttgcctctt ccatttttttt gatggaaatt gctcttggag ggaatggaac agggatatgc 180

tgcttctgta aatcagaatt accagtggaa gattcacctg catagaaatt gttaggtaac 240

ttactctttа catgtttgtc atcagctttt tctggagtag agtaaagttg ggcaggttca 300

tttgcggatg aagaagatgt tgctggttga ggtccttgac acaactctcc tgatctcaat 360

gtaatggcac tcacattttt aggattct 388

<210> 16202
<211> 413
<212> DNA
<213> Glycine max

<400> 16202

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tgagttcatt tctttgcttt ggttgctttc cattgtcgaa gctcttcaaa gcgcgtttga 120

ggattcccca attgaaggta gacgacacaa ctgaacgtgt gttcaaagaac ctcgttgctt 180

ttgagcagtt tcactatcca gacaagcctt actttgcaa ctatgtttct ttcattgact 240

ttctgataca cactcagctt gatgtggagt tgctggttga gaaggaagtg attgggcatg 300

aacttgggag tgataaggaa gtggcaactc ttgttaatgg gttatgcaaa catgttgtca 360

caaactcaac ttggtaccat cacattataa ataagctcaa cgaccattac atgaacga 418

<213> Glycine max

<223> unsure at all n locations
<400> 16203

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tcggtgatgt attggcattt gatgccactt ataagaagaa taagtatcat ctacctgttg 120

tgggtttttc tggtgttaat cacaacaatc aaaccatagt ttatgacaca atccttgtaa 180

caaatgcaac cgaagagacg tatgtttggt tattagaaca atttgtgcaa gccatgaata 240

gtaagaaact atcaacaacg attactgatg gtgatattgc aatgagaaat gcataagaaa 300

gatacttttc aaaacatgcc tangttatgt gcttggcact tgatacgtaa tgcanaagcc 360

aatgtaaaca atcctgcatt nttgccaatg ttt 393

<210> 16204
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16204

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tggaggcaag ctataactgc tgctggatct ggatgcgttg cagctttatc acgtgagaga 120

tatcttgtga gcaatgatct tcttatagag ttccatcagg tatttgactt caaagaactc 180

ctatttttgtt ttcgcttatc gttctttttgg tatataacac tgtagattga gtgtacacat 240

cacattacca atttactgta tctttattat atgtcttaat tcttgtacat ttccacagaa 300

gcagatgcaa ctttagcaag atnngcttgt aaaacttata tctataaatt tataaaactt 360

aataaatttta gtgcatctaa t 381

<210> 16205
<211> 405
<212> DNA
<213> Glycine max

<400> 16205

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aagttattgt cgttgaatt tgctcaaagc ttcaacattc aaattcgagc gtctcgttat 120

attattaggac ttagtcagac atccgagtaa aaagttattg acgtttgaat ttgctcagag 180

ttcaaacatt cattttcgag cgtgtcgcta tattacggga ctatatcaga catccgagta 240

aaaagttatt gtcggttgaa tttgctcaga gcttcaacat tcaatttcga gcgtctccat 300

atattacggg actcaatcac acatccgagt aaaaagttat tggcgttaga attggctcaa 360

agcttcaaca ttcaaattcg agccgctcgc tatattatac gactc 405

<210> 16206
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16206

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ttgtaggaaa catcaagtcc ttcaagtgac ttcaaattct caatcccatg caaagtagtt 120

agagcattgc tcctcaaaac tagtttaaca atatgacagg aaacctgcaa ggtccaacac 180

aattgtatat gggtctccag agcaaatccc taaatgaaag gcatacaact aaaacaaaag 240

atattaactt ttctacaaat aaattgctnt cattgcattt aaggatcctg tcattcaact 300

ttcaatcctg aaatatcaat tcattctcca tgaatcgcag aagtcagcac agcaagcaaa 360

taaagacat 369

<210> 16207
<211> 400
<212> DNA
<213> Glycine max

<400> 16207

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acgagacatc ttgccaaaca aagtcaggtt agcgatagct cgcctatgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa ataaggccgc 180

aattatacta tgccagttgg agatgtattt tccccctgct tttttgacat catgattcac 240

ttgattgtgg atttgggtcag agaaaatcaaa tgatgtggtc ctgtttatct atgggtggatg 300

tatcgggttg agcgatacat gaagatctta aaagggtata caaagaatct atattgtcca 360

gaagcatcta ttgttgagag gtacattcca aaagaagcca 400

<210> 16208
<211> 372
<212> DNA
<213> Glycine max

<400> 16208

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tcccactaaa cttgtggtat acacaattat caactgcatt tgcctcaaaa tcatatgagg 120

taatgacttg atgaaacttg taataccatt gatgggaagc ttgtttcaaa caatagatga 180

atttatttag tttgcaaacc atagactttg agtcacctga tacaaagttt tttggttgca 240

tcatataaat tgtgtcttca atgtcaccat ttagaaacgt agtcttaact acaatctaaa 300

agttcctata gcctccatcg caacctttt gccatcgcca acaaatatga atctttcatc 360

atcacttgac ag 372

<210> 16209
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16209

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atcaaaaaga agcggtgcca aagggtcccc ttgtctcaac cctctttgag gtttgaattc 120

agaagttggg ctaccattaa caagaatagg tatggaagct aaggtgagac aagcccttat 180

ccacctaatc catctcttcat ggaaccccat tctcctcaac atatagagga gaaaatgcca 240

agatacagaa ttataagcct tctcaaagtc cacttttaaa accatgcaag acttcttgga 300

tcttcgagcc tcctcaatca cctcattagc caccaaaact ccatggagca attgtctgcc 360

ttttataaaa gttgtctgcc tttcatctat aagataaggc atgac 435

<210> 16210
<211> 421
<212> DNA
<213> Glycine max

<223> n is a at all n locations
<400> 16210

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aataatttatg agctctccag caacaggtac aatcccgggt ggaggaatca tcccaacctt 120

agatggctga atccttcaca atagcagcaa ctttgaaagc caatagttgc ttagtgttaa 180

aaaaaatata gagtgcaaca attatttaat aacactcggc gagtgcataa acaataaagc 240

tgaagtatag agtaactttg ctttgcaaag aaaaaataat gaaaaattaa atgtatagtc 300

caacaatttc tgcaaagttt cacgttagag attntctcat ttctttatga ttnttttcat 360

gngttacttt gagatagaga ttgcctttta taaaattcag taaatgattc attgtgggat 420

t 421

<210> 16211
<211> 384
<212> DNA
<213> Glycine max

<400> 16211

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatt tttctcatgc 240

aacaactatg aggaggacca aaaggtgaag cgtgccgcca tggagttttc cgactatgct 300

cttgtgtggt ggaacaagct acaaaaggag agagcaagaa atgaagagct ggttgataca 360

tggacggaga tgataaagat catg 384

<210> 16212
<211> 385
<212> DNA

<213> Glycine max

<400> 16212

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aaatttattg ttgtttgaat ttgctagagg ctttggtatt caatttcgag cgtctgtata 120

tattacgtgt ctaaatcaga catcgagtta aaaagttatt gttgttttaa attgctcaaa 180

attcaacat tgatatcga gcgtctcaat atattacggg acttaatcag acattagagt 240

aaaatttat tatcgtttga acttgcttag agcttcgata atcaatttcg agcgtctcga 300

tatattaccg gattcagtca gtctaccgag taaaaagtta ttgccgtttg aatttgctca 360

gagcttcggt attcaatatc gagcg 385

<210> 16213
<211> 377
<212> DNA
<213> Glycine max

<400> 16213

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tgatagcaaa tctcacatcc ttggccaaac gaagatacat ataccaattt aatataaatg 120

gagaataaat taccgttcta ctctgatcta caaatgctgc tgattccctc acttggccat 180

tagtgatgcc tggcatatat ttgcgctgtt tctgtactgg cacagactct ggagataaag 240

gttccttgat gtcttccgca tagtgtttca atgaatttgg agagtttccc tgttgacaga 300

gagccatgat aaattaacag ctgacaatga aagctatata gatccgatca aaaagttagt 360

ctccatagata aaatcaa 377

<210> 16214
<211> 405
<212> DNA
<213> Glycine max

<400> 16214

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acaggtcctg tgcaacaacc ccaacagcca atgccaatga tgcagcagca ggtctgctct 120

tgcacagagt ttccaatttt ttgtgtttgc tctcacgtta gtcatctgca tgcatgcctg 180

atggtgagat actttcttat ttgtttgtta gatgcttcca agggggcgtg tctatcgtta 240

ccctcctggc cgcaacatgc aagatgtccc acttcaaggt gtagctggtg gaatgatgtc 300

agtcgcttat gacatgggtg gtctgccaat cgcgatgct gtgggacagc caatgcccat 360

tcaaactttg gtcacggctc ttgcaaatgc tccccctgaa cagca 405

<210> 16215
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16215

agctttgtgc taatatgttc tattgacact ctttatttct gaacttcttc tttcacggca 60

aagtacttca attccatatg cttagcatcc gtagagtact tgtcgttctt agaaaagaat 120

attgctgcgg agttatcaca atacattttc agcggcctag caatactgtc gacaattcca 180

agccctgaaa taaagttctg caaccaatta gcctaaattg tagcctcaaa acatgctaca 240

aattcagctt ccatggtgga tgcagcaaca actgattgtt ttgcactctt ccatgatatt 300

tctcctccgg ctaagagaaa tacaaagcca agagtggatt ntcttgtatc cacacatcca 360

gcaaagtctg agtctgaata tccaatca 388

<210> 16216
<211> 414
<212> DNA
<213> Glycine max

<400> 16216

tgtagggtta aagtctcacg attgtcacgt gctcatgcaa caattgttag tcgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt aacgataact cgcctgtgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatccagt aatgtttgat gagttggaaa atgaggccgc 180

aattatactg tgccaattgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt ccrgtttatc tacggtggat 300

gtacccggtt gagcgatacg tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360

agaagcatct attgttcaaa cgtacattgc agaagaagcc attgaatttt tgtc 414

<210> 16217
<211> 408
<212> DNA
<213> Glycine max

<400> 16217

[illegible] gatggcctct tcaaatttct tatttccgga aggaaattct atcaatagat 60

[illegible] tattggagag ggttaccact actgggaaac cggaatgcaa attttatcg 120

atgcaatagg tttaaatatc tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaacctg 240

gagtagatg gttgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300

taatgacatc tgtcctagga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggtcactctt cgattagcac atgaaggaac tacagatg 408

<210> 16218
<211> 354
<212> DNA
<213> Glycine max

<400> 16218

ttgtatgcat ttacaatagg agccagtggc atagtccatg tacttctcta actctttctt 60

gtacaaaaca caagcatggc ctattgtgtt gtaaaccttg tctgccccat ataggttgat 120

cttaccaacc ctattctcct ttggggttat gtactttcta atctcctcaa tgatgaaaaa 180

attgatcaaa tgatcctcct tcactgggga gctcgtccct tcatcaacct tgggaacccg 240

aatctgcctt agagcaacat taccactatg aagagggctg actatttgat cctctagaaa 300

ctccttgtcc aacatggcgc ctatgattgt ctccattact tgaacttttg actc 354

<210> 16219
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16219

aaa[illegible]ctcac tgtcaaagga acccctttgc attttttcac aattcccttt ccgatcttca 60

ttagattttgg atattccttc tcttgaccct ccttaaatgc ccatctcaca aacaagcgata 120

tacaatttctc tggagaaagg ccctctaaaa cataagaggg aatagtgccc atcattgaag 180

caatggagtt acttcgcgtt gtcactatga ttntgcttcc cactgcacca acttttatta 240

aatttttcaa gtcaatccat tttgtataat catcattcca tatatcatcc aagaccagta 300

aaaattctg aaagagaaagc ttgtgtctaa gacgagtttg aagctgcttca atatctaagc 360

tggtgat 367

<210> 16220
<211> 374
<212> DNA
<213> Glycine max

<400> 16220

tgactgttac ttgatgaatg tatgtcagct acatattctt tttcagcctt atattgcaga 60

acattatcat actgatcaac aaattgcttc agagttgtta gccggcttac atatccatca 120

aaaaatgcat gcatgctttc attgtgtgga ataatagaca ttccagccca gaactcacct 180

cttacaaagg aaggagccca gcgatgtctc tcacagaaca actctttcaa ccatttattg 240

tccttgaggt caaaatcctc cacaatcttc tttcatttct gctcaaattc acttattgga 300

tgtgtgtcat atacaacatt ctgcaaatga tctcttaagg actcgtaata acatttccat 360

ggattagttg ggga 374

<210> 16221
<211> 404
<212> DNA
<213> Glycine max

<400> 16221

tataatatat cgagatgctc gaaattaatc atcggtagct cttgagaaaa tcaattggtc 60

ataatttatc acacggatgt ccgattcggg tgcataatat gtcgagacgc tcgaaattga 120

acaacggagg ctctcgagaa attcaaatgg ctataacctt tcacacagat gttcgattca 180

ggagcatcac atatagagac gtacgaacaa cggatgcact cgagaaatac aaatggtcat 240

aactttttcac accgagttcc cattcacgct catactatat tgatacgttt gaaattaaac 300

atcggaagct caacgagaaa ttcaaatggt cataactctt cacacggatg tccgattatg 360

gagaatcaca tatcaagatg ctcaaaattg accaacgaag ctct 404

<210> 16222
<211> 369
<212> DNA
<213> Glycine max

<220> n is a, c, g, or t at all n locations
<400> 16222

atcttgtgca ttcaatatcc tgatgagggt gttccatatg ttcttaagac tagactaata 60

catttgttgc ctaagtttca tggtcttgca ggtgaagatc ctcataagca tcttaaggag 120

ttccatattg tttgttccac catgaagccc cttgatgtcc aggaagatca tatctttcta 180

aaggcttttc ctcattctct agagggagtg aaaaaagatt ggttgtacta ccttgctccc 240

agatccatct ccaactggga tgaccttaag agagtgttct tggagaaatt cttccttgca 300

tctaagacca ctgccatcaa aaaagacatt tcangaaact taatggagag agcttgtatg 360

agtactggg 369

<210> 16223
<211> 351
<212> DNA
<213> Glycine max

<400> 16223

ttgaatggac accacttcat tttggtcttc tttgtatact tcaccaaatg ggttgaagtg 60

ggtgcgtacg ccagtgtgac taggagtgtg gtggttaggt taatcaagaa agagataatc 120

tgctggtatg ggttacccag gaagattatc attgataatg ccaccaatct gaataataaa 180

atgatgaaag aaatgtgtga ggatttcatg atccaacatc acaattctac tccttatggg 240

cccaagatga atagggtagt tgaggctgct aacaagaaca tcaagaaatt agttagaaga 300

ttaccgggtc atacaaggat tgacacaaga tgctcccttt tgcactacat g 351

<210> 16224
<211> 327
<212> DNA
<213> Glycine max

<400> 16224

ttcttctcgg tacatcacgg gcctcaatcg tacacccatg tcaaaagtta tggcctctg 60

aattggacca taacttcctt gttaggtttc gagcgtctcg atatattgtg tctgaatcgg 120

acatccgagt gaaaagttat gacaatttta atttctcgag aacttccatt attcaatgcc 180

gagcgtctct atatatcatg ggcgccaatc atacactcat gtcaaaagta atggccgtct 240

gaatttctcc agaacttcca ttattcaatc tccaggcgtct ctgtatatat tgctactgaa 300

tctgacattc gactgaaaag ttatgac 327

<210> 16225
<211> 305
<212> DNA
<213> Glycine max

<400> 16225

aagagaaatt caacgccaag tccaaatttt gaaaccatat atattgtcat ataacataat 60

tactttatta gaacgcgcata agacaacata ctcacatggc cctgtatttt gtgagctcat 120

aggaaatcaa gcaagggcta ccaagaatcc ttgttgctca acataattga cgaaagtcgg 180

acaaggaaat gtggcattaa atggctcaaa tcaaccccaa tacaaaattt cattactcta 240

agcacattgc aaacaaaagc aatccttaat tacaatccag ggcagatgtt atttctataa 300

caaaa 305

<210> 16226
<211> 346
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16226

caatgcccgg catcagagat gcagtantca ccaccatctg tctgcccaag ggtgaactca 60

tcacatgcgt gccttgataa aatttctata actgtaaagc caatgagggt ctctttcttg 120

ccagtaatag tcttcacaaa ctcctttctca gggttcttag ccaacacatc atattcagga 180

gaccctttct caagcataaa tctcctgcaa ataattggcc tattcaggat taaacctcca 240

tatgtatact gtccaaggta acagcaacat gaagagttga agcaattccat ataagggtag 300

cggatgcttc aaccaactct tccraggttt gcatctgttg ccacca 346

<210> 16227
<211> 391
<212> DNA

<213> Glycine max

<400> 16227

ttaaagataaa tggtctcagc aaatttcttta tttctataat gaaattctat caatagacct 60

ttaatattta atgtagaggg ttaccactac tggaaaacac gaatgcaaat tttattgaa 119

ttaattagact taagtatttg ggaagtcaca taaatagggc catatataca tatcatagta 180

ttaaagaatta ctaatagatgg tagcacatca agtgaaaagta taacaatata aaaatcttaga 240

tatagatggt ctgtagagga tagaagatga gttcaatata atctaaaagc caaatacata 300

attaacattg ctctgagaat ggatgaatat ttcacggttt ccaattgcaa caatgctaaa 360

ggagatgtggg acaatctaca attaacacat g 391

<210> 16228
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16228

ttcttgcaca caagattctc cttgcctggc acctcnaaac cttcaggttg ggtcatattg 60

atgtcttcct ctaaatcccc atgcaagaat gcagttttaa catctaacta ctccaagtga 120

agattctctg cagctacaat actcagaata actctgatgg tagtcatctt tacaactgga 180

gagaagattt ctgtgaaatc aattccttgt ttctgctgaa acctttttcac cacaagtctc 240

tccttgtatc ttcttctatc gtcggatttt tcctttaacc tatagactca cctattctgt 300

aacgctgtct ttccttctat aaatttagtt aaagaccacg tcttattctt ttgaaggggt 360

gtcatct 367

<210> 16229
<211> 388
<212> DNA
<213> Glycine max

<400> 16229

gtgcataccc caaggatcca ttaggatttt actgtgaaaa gagagccatg agggtgggct 60

catgggccac tttgggatag acaagaccct tgtcttactc aaagaaaagt tttattggcc 120

ccatatgaag aaagatgtcc ataagcattg cactaaatat gtggcttgtt tacaagccaa 180

gtctagggtg atgcctcatg ggctatacac acccttaccc atcccagctg caccttgggt 240

agacattagt atggactttg tccttgggct tcctagaacc caaagaggtg tagactctat 300

ctttgtggtg gtggataggt ttagcatgat ggcacacttt ataccatgcc acaagatgga 360

tgatgcgttc cacatctcaa aactcttt 388

<210> 16230
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16230

ctttcactcg catgtccgat tcaagcgcat agcgtatcga gacgctagaa atctaacaaa 60

ggaagctctc gagaaattca aatggtcata acttttcact cgcatgtccg attcaggcgc 120

ataacatatc gagacgcttg aaattgaaca actgattttc tcgagaaatt caaatggtca 180

taacttttaa ctcgcatgtc cgattcaagc gcataacata tcgagacgct cgaaattgaa 240

caacggatgt tctcgagaaa ttcaaatggt cataactttt cactctcatg tgcgattcag 300

gcgaataact tatcgagacg ctcganattg aacaacggaa gctctcgaga tattcaaa 358

<210> 16231
<211> 374
<212> DNA
<213> Glycine max

<400> 16231

tttttattgc tgcttaaagc atgtgtgata tacaaaatct gaagatccta atgagtggtg 60

aatttgatat gaaagatcta ggggctgcaa agaaaatctt aggaatggag atctataggg 120

atagaactca gaaaaggcta tttttgtctc aaaaggatta cattcagaag atacttgtga 180

ggtttggaat ggctaactct aaacctatca gcactccct ttcagaaaaa gagaagttgt 240

ctgttatgat aaagattcaa gctcaggctg atcaggatta tatgtcaaag gtttcatact 300

caagtgttgt tggcagtctc atgtatgcca tggtctgcac aagacctgac cttgcttatg 360

ctgttagcat ggtc 374

<210> 16232

<211> 377
<212> DNA
<213> Glycine max

<400> 16232

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ttatacgag acatcttgtc aaacaaagtc aagttcacga taactcgcct gtgctttttc 120

ttccatgcta tatgtagcaa agtgattgat ccagtaatgt ttgatgagct ggaaaatgaa 180

gtcgaatta tattgtgtca gttggagatg tattctcccc ctgctttctt tgacatcatg 240

attcacttga ttgtgcatct agtcagagaa atcaaatgtt gtggtcctgt ttatctacag 300

tggatgtacc cggttgagcg atacatgaag atcttaaaag ggtatgcaaa gaatctatat 360

catccgaaag catctat 377

<210> 16233
<211> 371
<212> DNA
<213> Glycine max

<400> 16233

tgcatgtctt caacatctga ccacttccag ggtgctggaa ctacttcaca tggatttgat 60

ggggcctatg caagttgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga 120

ttttccaga tttacctggg taaactttat cagagagaaa tcagaaacct ttgaagtatt 180

caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcatcaaga gaatcacgag 240

tgaccatggc agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300

cactcatgag ttctctgcag ccattacacc acaacagaat gggatagttg agaggaaaaa 360

caggaccttg c 371

<210> 16234
<211> 360
<212> DNA
<213> Glycine max

<400> 16234

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aatttattgt cgtttaaatt tactcagaga ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180

cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240

aaaagctatt gtcggttgaa tttgctcaga gattcaacat tgaatttcga gggtctcgat 300

atcttacggg attcaattag acatccgagt gaataggtat tggcgtttga attggctcag 360

<210> 16235
<211> 393
<212> DNA
<213> Glycine max

<400> 16235

tatgctgcaa acatttacaa tatatttcct caaccttaac agcaaaacca acctcagcaa 60

aacaattatc acctctccag caatagatac aaccttggat ggaggaatca ccctaatctc 120

agatggtcta gccctcaaca gcaacaacag tagcctgctc cttccttcca aaatgctgct 180

gccccaagca gaacatacat tcctccacta atccaacaac aacaacagcc ccaaaaacaa 240

ccaacagttg agaccccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

ccgaacatgc agtttctgca aaagaccaga gcctccattc aaagcttaac caatcagatg 360

ggacaattgg ctacccaatt gaatcaacaa cag 393

<210> 16236
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16236

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tggcatcatt tctggcacta aactgctggg agttggaagc catcttctca attaaatttc 120

tggcttcagc aggagtcatt gtctccaagg ctccaccact ggcagcatct atcatacttc 180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240

ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300

cattgagttg cctaatacct gagatatcct tcctgatggc tgtggtccct gaagcaggga 360

aaatnnnttt caagaatact ctcttaaggt catccagct cgtgat 406

<210> 16237
<211> 398
<212> DNA
<213> Glycine max

<400> 16237

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[illegible]aa[illegible]ttcta g[illegible]atctcgac atattatgcg cccgaatcgg acatccgtgt gaaatgttat 120

[illegible]cc[illegible]atttgc a[illegible]t[illegible]ctcgag agc[illegible]tcgat gtttaatttc gagcgtatcg atttattgta 180

[illegible]gcc[illegible]gaacc g[illegible]acatccga gtgaaaattt atgaccattt gaatttcacg agagcttccg 240

[illegible]tga[illegible]caatt t[illegible]gagtgtca ctatatggga tgcgccccag ttagacattc gagttaaatg 300

[illegible]tatgaccat t[illegible]gaatttct caagagcttc cgttgttcaa ttctgagcgt ctcgttatgt 360

[illegible]attt[illegible]gcttt ga[illegible]cgtaaac tccggtgaaa agttatga 398

<210> 16238
<211> 286
<212> DNA
<213> Glycine max

<400> 16238

caccatacag accttggcc ttccaatgca caacctggag caattgaaca gcccgaaact 60

tatgctgcaa acatttacaa tatacctcct caacctcagc agcaaaatca accaccatag 120

aacaattatg acctctccag caacagatac aaccctggat ggaagaatca ccctaatctc 180

agatggtcta accctcagca acaacaacaa cagcctggct cttccttaca aaaggtgttg 240

gcccaagcag accatacatt cctccaccaa tccaacaaca gcaata 286

<210> 16239
<211> 400
<212> DNA
<213> Glycine max

<400> 16239

tcatttctgg tccataggaa gacaaactat atcctgtagt ttaaggacac [illegible]ttcaacttt 60

ttacttgtta tgttcatacc acatttaact cataatatca ttaacattca acaggaatca 120

c[illegible]gaggacct tgaagcattg ttccttcct aatgtatctc tggaaggcct aatatctgac 180

caatgaaaag atatggatg gcaaagacct aatccatcga atgacttaa g[illegible]acaaaat 240

atgttcttat gagagctcac gtgacatttt ggtcactttt cctatgtgaa agaatttgct 300

tatttaaatgt tatgaaaaca gtgtcatttt agtgctgcta acggttatgg tagcgtatac 360

aattcactaa tttaatttat gggatataat taaaccaaat 400

<210> 16241
<211> 359
<212> DNA
<213> Glycine max

<400> 16240

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga catcttgcca aacaaagtca ggttcacgat aactcgcctg tgcttttttct 120

tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg 180

ccgcaattat attgtgtcag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatcta gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatat 359

<210> 16241
<211> 375
<212> DNA
<213> Glycine max

<400> 16241

atcttgcaga cctaacatta tctatgtatg ataagcaaaa cacatctcaa cacatgataa 60

taataactag cactatatta ttctttttaat tatagctcaa attcaaatgg ttgtgatttt 120

gtatttgaag atactctcca caaaatatat taaatcgcat atataaataa tggtgttgac 180

aagaaactact aatacgtccc atgaccccac cccttatcta cttattccat attgacacat 240

atgcataatt aatattaagc tataaactta taaaaaacaa atttttatgt tggcaaaaaa 300

atgtcaatat taacaattat ctatcactag acaataaata aattcgacta acaaaatttta 360

aatatttaaa taaaa 375

<210> 16242
<211> 375
<212> DNA
<213> Glycine max

<400> 16242

ttcttgtaat ctttcacaca tatactgtaa tcgattacca gagtagattt tcagaaaata 60

ttctcaacag tcacatcttt ttatgtgatt cttgaatggc tatcaaaggc ctatatatat 120

ctgacttgag aaacgaattt gcttaagagtt tttcagaaca aaaaaagtct tatcctctta 180

taaagcaaaa ttgttttatc ctcttacaaa ttcattggcc aaattacttg tgattcaata 240

agggatttct gagtgctcaa attgatcaat ctatctcttt caagagagat ttcttctttt 300

cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttgttgt gaaagaattc 360

taaagacaac ggaag 375

<210> 16243
<211> 353
<212> DNA
<213> Glycine max

<400> 16243

ntttcatgca ttcttgctag ccaagatgtg ctgtagcctt cggattgagc ttgaacttgg 60

gcctgaatca gtccctgacc ctgagttctc cttctccttc tcctctttca aggcacggat 120

tagccgattt ggcagataca gataccgatc ctgaaagcgg gaacgattgg cgacaattct 180

ccgcccaggt ctccataccc aaatgtcacc cttttccggc caatttttcg gcgcatatgg 240

aaatccctcg ccggacattc cctgtgccac tggctgtaaa ttcaataata cattattctc 300

ctccatgctc atcttccatc tccatctcca tctcgaacgc tacttatcta gct 353

<210> 16244
<211> 375
<212> DNA
<213> Glycine max

<400> 16244

tgacccttac gagatagatg ggacgatttt tatattaact tggagaaacc ttccatgaat 60

cttctggtaat atcctgctag gcccaaaaaa ctgctaaatt caaaaacaga cttaagactc 120

tcgcacttcga gaatgacttc tatcttagag gagatacagc tataccccct gagatatcac 180

atgccctagg aaactaactt tctctaacca aaactcacac tcggacaact tagcatagat 240

tattcattcg tatgggtatg cagcacaaac ctaaagagct cttcatgttc ctcttaccc 300

ctggaatata ccacaatatg ttctatgaat actaccacaa aactaacgag gtaagggtga 360

aagattctat atatg 375

<210> 16245
<211> 361
<212> DNA
<213> Glycine max

<400> 16245

ttcttgctta tctctttcagg gagctcaaca cagtactgca tatgttcctt caacttggac 60

ctatagcaag caataaaaac aaagtatata attatatatt ctctaaaaca acaaaaatca 120

caacaaatcc agcatcatca agttcacata tcacaaattc aatacccaaa ttcttttgttc 180

aggctgttcg cggtcgcagt cgtggccttc ccgccaccgt atttcgccac aaaatcatcc 240

ttcgtacgct ccagaaaagc cacaggcacc tgtctcccaa tcgattcatc cgcaacaaca 300

caatcagcta aaaaaaagtg agtcagacat tcatttccaa aaacataacg ctgaacttca 360

a 361

<210> 16246
<211> 373
<212> DNA
<213> Glycine max

<400> 16246

ttcttcattc ttagaatgaa gttagtagag atacatatat cgtgaataat catctataaa 60

ggttatgaag tatttcggac tatttgcatc catgtctgga caacatatgt ctgtatgtat 120

gatttctaat aaattagaac tcctcttttgc accctttttta gacttgttag tttgcttacc 180

cttaatgcaa tctacacaag tctcaaaatc agcgaaatcc aaagtactaa gtactccttc 240

atttactaat cgcttgattc tttcaataga gatatgtcct aatctccggt gccacaacat 300

agaggattct tcattcacaa tacatcgttt ttaacccaac agaaacatgc atagaagtag 360

catcatttttt gaa 373

<210> 16247
<211> 378
<212> DNA
<213> Glycine max

<400> 16247

tttttatca tgttcacgac aaaggactaa agaagaaatc tccgtcttat gaccactaca 60

aatcaagtcc ttttgcctg acacatgatc aagccttgag cacaacaggc acggaatttg 120

taatttgcag ttaccagcaa actttgctat aagataagaa aaaacgggcat tgattaaaca 180

gaaaaagatc agtaaccatt cgagaaaagc cgatgccaag gccgtggtaa caccgggtga 240

aagcttacgc cattcagaag atgaaattcc agtggtagcc atcatccaac caactgaatt 300

agcttcgaaa ggagaaaccg attgctgaaa gttgaaacag atcaaactat gaccttcttc 360

ccaaaatgat attaattaa 379

<210> 16248
<211> 382
<212> DNA
<213> Glycine max

<400> 16248

agcttatcag attaacattt tttttcaaaa tgcaacaatg agaaaagaaa gcacaaagag 60

gaaaattcaca gaaccaaatg agattaacat caattcacat tttgtttcta aagaatataa 120

gagaaaacac ccgattcact caggcagagg aaaacctctc aaaggtgcat aattctcatg 180

caggcaattg ttccatcaca attccaatca ctgatatgtc ataaatcaat ttttgcaagt 240

catttcccat caaatcaaag ataaattgca taatcatcat ggatcattag ggcttttagg 300

atttggacta gctttgaaag aaatattggt ttttctggat attcaaaaat accttgagaa 360

taggaaagca acataaaaac aa 382

<210> 16249
<211> 416
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16249

gacctatgat actcagcttc aatgtccttc ttgatcaaag cttcgaagca aatgttttnt 60

atatcgacat tnttttcata aagtctatat atttacttta actataaaat atatcacaca 120

tattaccaat gttttgttga ggaagctcat tgattatgcc aatggttcat cttaaccaag 180

tcttgattt tggattggct aagttgacca atgatactaa tacacatgtc tctactcgtg 240

tcatgggaac attcgggtaa tttcgccacc ccatggttta atacctacgt agaaactata 300

aatgaaattga taaaaatggg aattaatagt ttaaatttgc atgtctaaac aggtatcttg 360

[illegible] 416

<211> 16250
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16250

tttgnattag acatttttgcc ctcacatagt tctttcgacg ggaagggttg cggagggagc 60

ctcaactact ttgttagttt catgggggct gttcgctgtt tgttggattt ggtggagcga 120

atgtantggt ctactctggg ccatgtagca ttttggaagg aaggagtaag ttgctgttgt 180

tgttgatggc tagaccatct gagattatgg tgattcctcc atctgggatt gtatctattg 240

ctggagaggt cataattgct atgctatg 268

<210> 16251
<211> 367
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16251

ttcttgcaag atggaagcaa agaaatctat caatgggggg tagaataacc ctcattaatt 60

cagtcttaac agccttaccc atctatttgc tgtcattctt caagatacct aaacatgtgg 120

tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca 180

agatcccttg gggaggcgcc atttgcacat gaatcactct tgaggcaaaa atcaaggatc 240

aaatngctca nggaaggtga cagtaacaca tgcttctttc ataaatccat aaattttaga 300

agacattata atgcaattca aggaatattc attgaaagta tatgggttca ncaaccaaaa 360

ttggtta 367

<210> 16252
<211> 402
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16252

tacataatat gtttgaagtt tagtacatat gcttttttctt taatttcang atcctaagat 60

ctttagtttt taatttaaacc atgtgtggca ggaaatgaat gttctgagag attgngcatac 120

tatgggatga gtttaaaacct ggtgaactat cttcgtggagc gtttcaacca gggaaatgca 180

acggctgcaa atnatgtcac aaccnggcca ggaacatgct acatcatacc attgattgga 240

gtctttctag ctgattcata cttgggaaga tactggacaa tttccagttt ctcaattgtc 300

tatgttattg taagtttaga gatttttttt ttcttgtttg ttgagtcccc atgttatgct 360

aaaggcattt agnettcact cttctgacct cagtttatat tt 402

<210> 16253
<211> 356
<212> DNA
<213> Glycine max

<400> 16253

tgcttaataa ggctatacgc tggaccctgg ctgacattcc tggtattagc ccatccacat 60

gtatgcatca gataaatttta taggatgggg ctaaaccagc aagacaacca cagagaagac 120

tcaacccggt gattcttgat gaagtgaaga aggaggtaac caagcttttg caagctggaa 180

tcatttatcc tatctccgac agccaatggg tgagtcccgt ccaggtagtc tcgaagaaaa 240

cgggcctcac cgtcataaaa aatgagaagg aggagctgat tcctactcgg gtgcagaaca 300

gntggagagt ctgcatctac tataggaggc taaaccaagt taccaaaaag gaccac 356

<210> 16254
<211> 376
<212> DNA
<213> Glycine max

<400> 16254

ttgatcaatg ttctggattg tctaactagt gaaaatgaga aagatctaag ggctttcttg 60

taagacttag atcgtgaaga aaccattcct gcagggggaa ccaacttgta agaattgaaa 120

agcagggagtc aatccgagaa gaccaaggtg gagttgaaga tcctacccaa ccacctgaag 180

tatgtgttct tggaggagaa cgagaccaag cccgtggtga tcagcaatta gctaacagta 240

gaggaagata acaggttggt agaggtcctc aagagacaca gggaggcaat taggtggcac 300

atatcagatc taaaaggaat tagccttgtc tactgtatgc acaagataat gatggaagaa 360

gactatagac ctgtca 376

<210> 16255
<211> 377
<212> DNA
<213> Glycine max

<400> 16255

ttcttttttcg tattttaagaa gttcaaagct acagtggaga aaaaaagtgg ttgagaaatc 60

aaagatatga ggactgacca aggaggagaa ttcacttcca aagagttttg agagttctgt 120

gtagagaatg gaatcagatg tcccctgatg gttccaagat cccccaaata gaatggtgtg 180

acggaaagaa ataatagaat aatccttgat atggctcaaa gcatgctcaa aagcaagaaa 240

ttgccaaaag aattttgggc agaagctgtg gcatggccgt ttatctattc aatcgatcac 300

cgacaagaag tgtatgggga aagacaccac aagaagtatg gagtgggaga aagtctggta 360

tctctcactt gagggtc 377

<210> 16256
<211> 373
<212> DNA
<213> Glycine max

<400> 16256

atcttggcat tttgatgctg ccactgtcta tggggagggc gttttcaaca tcagatcaaa 60

ggttttacatg ttaccaaaac tgtggtatct cagagtcaat gtaatagaag ctcaagatgt 120

gataccgggt gacagatacc gcctaccgga ggtttttgtg aaagctcaag tgagctgcca 180

agtgctgaca accaagatat gccccagcag aacaaccacc ccattctgga acgaagattt 240

gatctttgta gcctgtgagc catttgagga gcaattaaca atcactgtgg aggatcgtgt 300

gcacgcttca aaagatgagg tactggggaa gataagccta ccaatgaccc tgtttgagaa 360

gcgattagac cat 373

<210> 16257
<211> 357

<212> DNA
<213> Glycine max

<400> 16257

ttcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgtaagt tttaaggctt ggaggaaaga ggtatgctta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180

agttgagtct aatgacttca agagaaaaag actgtgttat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcaggttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgtagccatt acaccacaac aaaatgacat agttgaaagg aaaaaca 357

<210> 16258
<211> 378
<212> DNA
<213> Glycine max

<400> 16258

agcttgaaga ttagactata cgaggtatct tccttgggta tagcaatatc tctaagggct 60

actgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatgtt gaagttgatg 120

agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt atacccgctc 180

aactacctca agaagaagct gaggaagaag acccaggtga accaccttca cctgcaccac 240

aacaacaaga tcaagaacta tcatcaccag agtctactcc aagatgagta agatctttgg 300

tggacatata tgaaacctgt aacttagcca tacttgaacc tggaagcttt gaagaagcgt 360

caaagcagga catatggg 378

<210> 16259
<211> 354
<212> DNA
<213> Glycine max

<400> 16259

ttatttagacg accttgtttg agtcgagaat actttattat ttatttggac aagtttgaat 60

atgatgtaga agaaaatgaa tgtgagcctt tttccccttt gaaagactta aaaaaaaagt 120

tttaaaaata cttttaatta agatttgaat ttttttttcc tattagtata tatgtgaggg 180

gtagagagtg tcacaagata ttaggaactt ccatgggtta gcaagcttct ataaaaggtt 240

cgttcctaat ttctctacaa ttgcatcacc tctcaatgag ctggtgaaga aagatgtggc 300

atttacctgg ggtgaaaaac aagagcaagc ctttgctttg ttcatagaaa agct 354

<210> 16260
<211> 368
<212> DNA
<213> Glycine max

<400> 16260

ttcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcatccgac gaagacactg acaaaaactt attattcct tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180

aaatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

aggctcccaa tcacaattgtc acaaacattt ttctccacat ggataacatc aatacaatgt 300

ctaacgtcaa gatcacacta gtatggaaga tcaacgaaaa tggacctctt cttccatatg 360

caactctg 368

<210> 16261
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16261

acttaattaa caaaatctaa tccggaaata tatcttatgn ncttgtttgt ttaaagaaag 60

tgataaatca gcttcaaatc aaacaacctg caattgagtg ctctcgtcca gtacgacaac 120

gtcttggata tggatgttca ctgcacccaa gaattggtct tttgagatca atgctgaaat 180

caggatctcc aagatcattg taaacatcat aatcatagat tctttcataa ctcttacgtt 240

ctcattctcc atttcctctc aatagcatta gctccacttc tctaagtctt ctcaacccac 300

atggtgtttg tgatggcaaa taagactgtt tcagaataag ttaactcgat ttaaaaaaaa 360

aaagcctata 370

<210> 16262
<211> 429
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16262

ngccacggtc cgtgcattgt gatgagtggg taacataccc aggcgcaacc ccttcgaaaa 60

ntatcgaccg atnatcaaaga tacacgtgtt gccccttgtaa gagggtaatc ccacgataaa 120

ntccntggat aaataatccc atggttgtac tggtatcgga agaggactca acagcccatc 180

ntgttttttg ttttcntatt tggtacattg gcacgttaag catcctgcta tgaaggcacg 240

ngtatcagct ctaacggaat cccacgtaaa gttttcttgt aagcgatgaa gcgttttctg 300

aatccccatg tgtccacctg tcggagattg gtggaatgct tctagtaaca acttagtgaa 360

ngaggaattt gagggaatcc anatacggcc tctgtgtaag atcanataag cagttaacgt 420

gtactctgg 429

<210> 16263
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16263

gtctatgtgg atnaaaagagc ttaanaactg agatgttaga aaaggttggt tatccattat 60

aaatgtctta atcattttct caaagatgat aagtctccca tcccgaaagc ttcttcactc 120

ccaacccttga tcagaaaatc aaacttattt tcaaagtttg atttaaaatt agggttttgg 180

caactggct tacaactaga agatcagtat aaaactgaag atcagtatta aacagtcttt 240

tgtgttccga atgctcagta ccaatggaca gtccttcctt ttggtttaaa agtatcaccc 300

ttttccttcc acaaagccat gactaagatt tttagcctat tttggacaac atcattgntt 360

acantagatga tatcctttte tgttcaaaag acattgtctc tcataaaaac tta 413

<210> 16264
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16264

ctcagcttga ccattccctt gcctctttgt tggttttgcta ttantactcc angcacatca 60

cgtangtgcg gaggtggtgg attcttgctc aaaactttgt catgcttcag tagatctgtt 120

caaatacaat ttcaatcctt taaatttaac ttcaaacata agttttaaaa aaaataaaaa 180

acaataaatg ccaattgtat attttaacga taacatcaac ctattacatt acctaggtct 240

tttggattag tttcgaagtg ggctttcaac ctaaaataaa agcacaagtt tgcagaaatg 300

aa 302

<210> 16265
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16265

ntncaaactc agcttggtaa caatatcctt tanataagaa aaatgtttat aatatcttat 60

ctatactaat taatgaactt aaaggcgaaa tacggaagat aaaaaattac aatgttcata 120

ttttttatga tttatgcatt taatattttt tttcttttaa tttcttaact aatatctaaa 180

agcgctaatt aacaagaacc ataaaagtaa accaatgagt aactaacaat cccgttataa 240

aaaaaaaggt tatcatcatg tctttttttgg actaatcata tcatcctatg atttcatttg 300

acaaataata aagttaaaaa tgaatcgaaa ttaaaatata taggaccgaa taggagttat 360

gagttaatat atttaattaa gacacatatc tgttaacaan attgatacag cttgaatg 418

<210> 16266
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16266

tcttagtctc aactgatgaa gatgtaattc gggctactct atgcactcct ctaatgacaa 60

tagcatcatt tttggcatta aattgctagg agtttgaaagc catcttctca atttaaatttc 120

tggcttcaat aggggtcatg tctccaaggg ctccaccact ggcagcatca atcatacttc 180

tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctagt 240

ggtgaaggca actaacacat agttnnttaa atctctcccn atattcaatt aggctcttc 300

cactgagttg cctaatgcct gaaatatcct ttctaatggt cgtggtccta gaagcaggga 360

aatttttttc tgagaatact ctctt 385

<210> 16267
<211> 410
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16267

ntagcaatt ctttaggct tggagtcata acatgcaatc ctctagaacc cttacctccc 60

actctttcgt tataccgaga ctcgggaacc ccaataagtt ttgcctttnt aatgtacttc 120

ntacaaaact naatagcttt ttttgccacg tacctttaa caatagatgc ttcaggatag 180

tgtaaatttct ttgcatacgc ttttatgatc ttcatgtatt gctcaaccga atacttgcat 240

tggaaataaa caaaaccaca acatttaatt tcccncacca gatgaacaat taatagaacc 300

ctgatgctga aaaacaaagg aggaaaatac atctccaatg gacataagat aataacaacc 360

ncattttcta ccncatctaa cttgacagga tcaatgcact tgctacatat 410

<210> 16268
<211> 371
<212> DNA
<213> Glycine max

<400> 16268

ctaatgaatt gggctctaat tgcccatcag acatggcaag ttaagccaaa tttaatttac 60

tttacctcac ggcatcaagc aatttgcttg caattccttt tcttctgtta gagggagcaa 120

cccaaatggc cctaatgcca caagcagcga tggttggttt gctatcacag aagattgcac 180

cttccatcct ttcaaaatca ctcaaggaag caacttttt ttcaacctcc ctttggaaaa 240

taacattccc aaaccgaaaa gtggtagaac gcgtcctcac ttcccttttc ttcacgctat 300

caggagagcc agacacaact ttgaatgcct tttcaatggg ttctgcaacg aggcactcca 360

caacctgtg a 371

<210> 16269
<211> 398
<212> DNA
<213> Glycine max

<400> 16269

tgtttgtcgt cttcaacgtt ctctctacgg gcttaaacaa gccagccgac aatggtttac 60

taaagctatca agtttcttag tctcccatgg gttccaacaa tctaactcgg accactctct 120

ttctcttaaaa gttagcttaagt cagccagctac tatagctttg gtgtacgtcg atgatatcat 180

tttcacaggg aatagtatgc tggaaatacg agatatcacc accctcttaa gttaaacatt 240

taaaatcaaaa gatcttggtg acttgaaggt cttttttgtga ctcgagattg cccgtaccaa 300

tcatcgaatc catttatggc aacgaaaata tgccttagac attttgtctg attcagatat 360

gcttaggatgc aagccacact cgacacccat ggattatt 398

<210> 16270
<211> 444
<212> DNA
<213> Glycine max

<400> 16270

actatcaata ctcagcttaa cattcaattt cgaggctctc gatatattac tgtacttaat 60

caagcatcca agaaaaaatt tattgtcgtt tgaatttgct cagagattca acattcaatt 120

tcgagcgtct cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt 180

ttgaattggc tcgagcttc aacattcaat ttcgagcgtc tcgatatgtt acgagactca 240

atcagacatc cgagtaaaaa gctattgtcg tttgaatttg ctcagagatt caacattgaa 300

tttcgagggt ctcgatatct tacgggactc aatcagacat ccgagtgaat agttattgtc 360

gtttgaattg gctcagagct tcaacattca atttcgaggg tctcgatata ttacgggact 420

caatcagaca tccgagtaaa aatt 444

<210> 16271
<211> 402
<212> DNA
<213> Glycine max

<400> 16271

gagagcttcc gtgtttcaatt tcgagtgcct gtatattgat gcgcctgaat cggacatccg 60

agtgaaaagt tatgaccatt tgaatttctc gagagcttcc tatgttttaat tttgagcgtc 120

tcgatatatt atacggcctga atcgaacttc agtgtaaaaa gttatgacca tttgaatttc 180

tttagagcat ccgttgttca ttttcgagcg tctctatatg tgatgcacct taatcggacc 240

tccgtgtgaa aagttatgac catttgaatt tctcgagagc ttccgttgtt caattttgag 300

cgtctcgaca tattatgcgc ccgaatcgga catccatggg aaaagctatg actatttgaa 360

tttctcgaga gcttccgtag ttcaatttcg agcgtctgga ca 402

<210> 16272
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16272

nttgagcaat tcanatggtc ataacttttc actcgtaggt ccgattcatg cgcataatat 60

atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaatgg tcataacttt 120

ttactcagat gtcctattca ggcaaataat atatcgagac gctcaaaatt gaacaatcga 180

agctcttgag aaattcaaat ggtcataact tttaactcgg aggtctgatt gaggcgcatt 240

atatatcaag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 300

cttttcactc ggaggtccta ttaaggcgca taatatatcg agatgctcga aattgagcaa 360

tggaagctct tgagcaataa caatggtcat aacttntata ctcgaggttc gatngaggcg 420

cataatgtat c 431

<210> 16273
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16273

tgctggcctc aaacttgcta ataatatgct gccacactta ccgacattta gagcttaccc 60

ctaaaggaat accaaggtaa gaaaaaggaa attccagttg gctgcaattg agagaagaag 120

ctgcctccct acaccagccc acagatttac ccaaacaccc aaattggctc ttattatagg 180

ttatctttaa accagaaacc aattcaaagc ttttcaggat acactttaaa actttaacat 240

tatcattagt ggcagtccca aagaacaagg tgtcatcagc atattgaagt atattaactt 300

ccttcttttt ctttcccact tggcagctat tgaagagatt ctttttctat gctgatcttg 360

tcaacccagt aatgccttcc accactatat taaatagcaa aggtgcaagg tggtcacctt 420

gccttaagcc tctc 434

<210> 16274
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16274

gtactctagc ttaaagattg gctaagattt tgttaaaaca taagcactta nacaatgaag 60

gaaagctgga gttgctgcac atgatgtcca acgttatgtc aaagaataag atcgggctgc 120

acaatgcata aagcaagata aagtgtcaaa tgaagaattg aagctgcagg attcacgatg 180

tcggatataa tgtccaggac atcctgcctg aaaatactgg aattgctaaa agcattgaag 240

ctggaggatc tacgatgtcg gatacaatgt ccaggacatc ctgcccgaaa atactggagt 300

tgctaaaagc aatttgaagtt gcagatccac gatgtcggat acgatgtcca ggacatcttg 360

cccgaaaata ctggacatat aaatctgtta tatctttaac agattattgt gcagttagca 420

agagattaga tgatctatct t 441

<210> 16275
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16275

tctgttctga attcgagcat ctcatatact actggaaaca atcggacatc cgagtaaaaa 60

ggtttgttgt ttgaattttc taagaggtta tgatttcaat tntgagcgtc tcgatatatt 120

acgagactca attcaggcatc cgagtaaaaa gttattgtcg ttagattttt cttagagctt 180

ctatttccga ttatgagcgt ctcgatatat tacgagattc attcggacat ccgagtaaaa 240

agttattgtc gtttgatttt gctcanagct tctgttatga atttcgagtg tctcgatata 300

ctacgggaca caatcggaca tccgagtaaa aaggtattga catttgaatt tgctcatagc 360

attcgttgtc aattacgagc gtctagatat attaaaggat tcattcggac atccgagtaa 420

a 421

<210> 16276
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16276

nnaatactat tcaatgttac accatcatat agactatata acgattggtg gcggttgtgt 60

tggcaacgat aaccgtgata atagcggtga caataataat aacgatggtg gtggcgatga 120

tggtattgat ggtggtgata atggtggcaa tggcgatagc ggcgacaatg aaggcaacaa 180

caatgacggt ggtggtggcg gcgacgatgg tggcgacaat ggtaggagtg acaacgccag 240

tgatggtggt gtgatggctg tcatggtgga gaagcgatga tggtggggaa gatggtgatg 300

atggtggtgg cgatgatgac agtgatagtg atggggttgg tgagggcaac tatcctattc 360

tatttgctct taactaattc acccnc 386

<210> 16277
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16277

tnctggtggg acatcttcac ttgctttcca atctgacatt caccacagat tctgccttct 60

tctattttca aattgagaat gcctctaaca gcacctttgt caatgattat cttcatgcct 120

cttaagtgca gatgtccaaa tctttgatgc catattctga cttcatcttc tttggaggat 180

agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacagtt gtcctttgtt 240

ctgctgccct tcattagaac ttcactcttc tcatttgtca ccaagcattc tgactttgtg 300

aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt 360

ccctncacca gcagtactnt gtccagacta agaagtccat catgggct 408

<210> 16278
<211> 437
<212> DNA
<213> Glycine max

<400> 16278

tcaagaaaaa gatggcctca gcaaattcct tatttccaga agggaattct atcaatagac 60

gtccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120

aggcaatagg tttaaaatatc tgggaagcca taaaaatagg gctttatata cccaccacag 180

tagaaagagt ttcaatagat ggtagtttat cttagtgaag catacttcta gaaaaacgta 24

[illegible] 300

[illegible] 360

atgaatatgtg ggacacttct cgatttaacac atgaagggaac tacagat 407

<210> 16279
<211> 413
<212> DNA
<213> Glycine max

<400> 16279

tttcatcactt ttcacacaga ggtcagattc gggttcataa tatgtcgaga tgctcggaat 60

tgaaccacgg aagctctcga gtaattcaaa tggtcataac ttttcacaca gatgtccgat 120

tcgggcgcat aatatgtcga gtagctcgaa attgaacaac ggaagctgtc gagaaattca 180

aatggtcata attttcaca cggaggtcag attcgggcac ataatatgtt gagatgctcg 240

gaattgaacc acgaaagctc tcgagaaatt caaatggtca taacttttca cacggttgtc 300

cgattcacgc gtatgacata tacagacgct cgaaattgaa catcgaaagc tcttgagaaa 360

atcagatggt cataactttt cacacggatg ttcgagtaag gtgcatcaca ta 412

<210> 16280
<211> 345
<212> DNA
<213> Glycine max

<400> 16280

agcttccatt ttcaatttgg agcgtctcga tatattacgg gtgtcaactg gacatccgtg 60

tataaagtta ttgtcgtttc aatttgctca gagcttcggt tctaaatttt gagcgtctct 120

aaatattacg ggactcaata aaacatctga gtaaaaagtt attgtatgtt gaatttgcta 180

cgagcttccg ttttcaactt gtagcgtctc gatatataac gggactcaat cggacatccg 240

cgtataaagt tattgtcgat ttaaatttgct accagcttca gtattcaatt tggagagtct 300

cgatatattt cgggactcaa ccagacatcc gagtaaaaag ttatt 345

<210> 16281
<211> 395
<212> DNA
<213> Glycine max

<400> 16281

tgtagcaata ttaaacgaaa ataactttat acacggatgt ccgaatgagt ctcgtaatat 60

atcgatacgc ttcaaattga aaacataagc ccgtagacaa ttcaaaggac aataactttt 120

tactcggatg tccgatagag tctcgtaata taatgggacc tccaaattga aaatggaagc 180

tcctatcaaa ttcaaacgac aataactttt tgctcggatg tacgattgag tcccgtacta 240

tattgagatg ctcgaaattg acgacacaag ctctgaacaa ttttgaacga caataaatat 300

attctcggat gttctattga gtcccgtaat atatcgtgct acttccaatt gtaaatggaa 360

gctcgtagga aattcatacg acaataactt tatac 395

<210> 16282
<211> 429
<212> DNA
<213> Glycine max

<400> 16282

gacactatag acaactccac gcttaggatt caacattaat taccgtgctt ctttcccact 60

tgttgaatta tatgcgactt tatctagatg aaaacgatcg aattctactc cctgcgggat 120

attggattat atctgggcca ccaatcccgt ggaagaatca ttggaaagga tgggaaacaa 180

caccggagga tttgaatgat gagcagacca aaattgagaa tgtagccaaa agcctgtgct 240

ggaacaagct actggagaag gacgatatag ccatttggca gaaagccaag aaccatttgg 300

attgcaaagc caaccgtaag ctctctcaca atctgcctct ctgcaaggca cacagtaacc 360

ctgaacacgg ctggtatgtg cttcatattc cattgtccct tgtatttcat tcacgaaata 420

tttcaatct 429

<210> 16283
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16283

tctacagaag gtttgttcct aatttctcta caattgcctt acctctcaat gagctggtga 60

anaaaaatgt ggcatttact tggggtgaaa gacaagagca agcctttttt ttctcaaaga 120

anagttcatc aaggcacttg ttttagctct ttctcacttt tgtaaaactt ttgagctaga 180

attttatgcc tttggagtgg gagttggagc tatattgtta naaggcgggc acccttattgc 240

ttattttagt gaaaaacttc atggtgcccc cctcagctac ccaactatg ataaagagct 300

nnatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360

catncatagt gatcatgaat cacttaagta cattagatga nata 404

<210> 16284
<211> 384
<212> DNA
<213> Glycine max

<400> 16284

agcttatcaa catcaaactt ggagaaagag ttcttggggt caagacatga gaagcaatca 60

agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120

gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct 180

cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240

acacacaaaa tccttggaca tcggcaaaaa aattattcca gccactctct ctcattgtgc 300

ccaaccgagc tttgacaaca tcaactaatt ctctttgcaa tatatttgaa agctcgtttg 360

tttcctatga cctggatcac gcac 384

<210> 16285
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16285

acactatana caactcatgc ttaagccttg aattgagtgc cattaccgtg ttgattttta 60

agggagacca tatctgtaga tgaggtgttt ccaggtgaac ttttctacct ccctaactga 120

aatatcttct aatggccttg cctcagtcca cttagtgaaa tagtcgatgg tgaccaataa 180

gaacttgacc actcctatgg cttttggcaa tgggttcaat atgtccatgc cccatatggc 240

gataggccaa gtggaactca agctatggtg gttgttggga ggggtgcgtg gaacatctgt 300

gaattcttac ctcctcatgt a agtagaaggt ggcagccaat aatatccgat acacaacact 360

ttccttggtt ggaacgaatc tccgatatgg aggccatata ttctttcatg ttagtatcgc 420

atgacattag t 431

<210> 16286
<211> 403
<212> DNA
<213> Glycine max

<400> 16286

tgaagacaaa ctggatgcgt tggtcaactt ggtaacccag ctggccttga atcagaaatc 60

tgtacctgtc gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

gccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatatttta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacag tagagcaatt atgacctttc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca 300

gcaacaacaa cagcagcctg ctccttcctt ccaaaatgct gctggcccaa gcagaccata 360

catcctccca ccaatccaac aacagcagca acctcagaaa cag 403

<210> 16287
<211> 382
<212> DNA
<213> Glycine max

<400> 16287

agcttcaact ttcaatatcg agcgtttcga tatattacgg gactgaatca gacatccgag 60

taaaaagtta ttgtcgtttt aatttgctta gagcttcggt attgcatttc gagcgtctcg 120

atatattacg ggattcaatc agacatcaga gtaaatagtt attatcgttt taacttgctt 180

agagcttcga taatcaattt cgagcgtctc gatatattac gggactcagt cagacaaccg 240

agtaaaaagt tattgtcgct tgaatttgct cagagcttcg gtattcaatt tcgagcgtct 300

cgacatatta cgggactcaa ttagacatcc gagtaaaaag ttattgtcgt ttgagtgttc 360

tcagagctta gttattcaat tt 382

<210>	16288
<211>	369
<212>	DNA
<213>	Glycine max

<400>	16288

[illegible]gagc aaattcaaac gacaataact [illegible]ttgactcgg atgtccgatt gtctcccgta	60

ttatctcgag acgctcgtaa ttgaaaacgg aagctctaag caaattcaaa cgacaataac	120

[illegible]ttgaatcg gattgtccgat [illegible]gtgtcctgt agtatatcga gacgctcgaa attgaaaact	180

taaagctctga gaaaaaatcaa acgacgataa ctttttactc ggatgtccga ttgaatcccg	240

taatatatcg agacgctcgt aattgaaaat agaagctctg agcaaattca aacgacaata	300

acttttgact cggatgtccg attgtgtcct gtaatatatc gagacactcg taattggaac	360

agaaagctct	369

<210>	16289
<211>	414
<212>	DNA
<213>	Glycine max

<400>	16289

tctgttttca atttcgagcg tctcgatatt ttacggtgct ctatccgaca tccgagttaa	60

aagttattgt cgtttgattt ttctaatagc ttttcttttc aattacgagc gtctcgatat	120

actacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat ttgctcaaag	180

ctttttgttgt caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta	240

aaaatttatt gtcgttggat ttttctcaga gcttcagttt tcaattacga gcgtctcgat	300

atactacggg acacaatcgg acacccgaga taaaagttat tgttcgttga atttgctcag	360

agattctgtt ttcaattacg agcgtctttta gatattacgg gactcaatcg gaca	414

<210>	16290
<211>	419
<212>	DNA
<213>	Glycine max

<400>	16290

tatcaataca tttgaagagg ccatccacca cttcatttat actgtcaatg tttggattgg	60

tgtaaaagaa ctttggattc agataataac ccgctgcatg caaagggtgg tgaagttggc 120

aatcccatct tttatcaatg attgcaagga tatccttata cttcccttca ttgttattga 180

aagttctttg aattgcttct ttggccctat ccattgcttc ataaatgaaa cccattgtag 240

gtttttttc attatccacc aacctcaacc caattaaaag aggcccctta gccttaaaag 300

tataaacaac atcattccaa aatgatggca taagaacaac atctgttgct tgcttccctt 360

tagggttctt agctgccttg gacttcaacc attcatctga attaaacatc cttctaaga 419

<210> 16291
<211> 381
<212> DNA
<213> Glycine max

<400> 16291

tgcttatagt tattggaggg agaataaaac aatccaaaat caattgtacc cttcaagtaa 60

ctaaagaattc ttcttgcggc ttttagatga ggagaggtag gagcctccgt aaagcgacac 120

acaactccca ccgcatatag aatatcaggc cttgtattgg ttagatatct taaactcccc 180

acaagactct tgaagaccgt ggagtctacc ttctctcctt catcaaactt tgataacttc 240

atgcaacctt ccatatgtgt tttcacggga ttacaatcaa gcatattaaa tttcttcaac 300

actttctttg tgtagcttcc ttgtgagaca aagataccat tctacgtttg cttcacttcc 360

attcccaagt aatatgacat g 381

<210> 16292
<211> 388
<212> DNA
<213> Glycine max

<400> 16292

agcttgttta ccccatgttg aatttgctta caatagagct gttcatagca ccaacaattg 60

ttcttcctttt gaagttgttt atggttttaa cccactaact ttctttatct tttgcctatg 120

cctaatgttt atgttttaa gcataaagaa ggtcaagcaa aaggcggact atgtgaagaa 180

gcttcatgag agagtcaaag atcaaattga gagaaaaaat aaaagctatg ctaaacaagc 240

caacaaaggg agaaagaagg ttgtcttcga acccagagat tggattggg tgcacattgag 300

aaaaaaaagg tttcaaaaca aaggaaatca aagcttcaac caaaaggaga tggaccattt 360

caagtgcttg aaagaatcaa tgacaatg 388

<210> 16293
<211> 383
<212> DNA
<213> Glycine max

<400> 16293

agcatctcgt gccaatcctt gtatgatacg gttatctttt ggataatctt ttttatattc 60

ttattggccg cttccacggc tccattcatc tttggccggt agggcgtgga attgtgatgc 120

tgggttttaa actcctcgca catttccgcc atcatcttat tattccgggtt ggtgccgttg 180

tccgtgataa tcttccttgg caaaccatat cgacagatga tctctttctt aatgaacctg 240

accaccacat tcctcgtgac attggtatat gaagccgcct cgacccactt ggtgaaataa 300

tctatcacta cgaggatgaa gcgatgacca ttcgaggcct tgggctcgat ggcccccgatg 360

acatctattc cccacatgga gaa 383

<210> 16294
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16294

ntgcacgtat cggtcaagtg tatggaccac gttgtatcca aggtgctcat cgataatggt 60

tccagtttaa acgtgatgcc caagagcact ttggagaaat taccattcaa tgcttcccac 120

ctaaagccaa gttccatggt ggttcgtgcc ttcgaaggca cccggcgaga ggttaaggga 180

gagatcgacc tccctgtaca gatagaccct cacacctgtc aagttacctt ccaaataatg 240

gatattaacc cccttacag ctgcctgttg gggcgcccgt ggatccactc ggtgggagtt 300

gttcctctta cactccacca aaagttgaaa ttcgtagtgg aagggcatct ggtcatcgta 360

tcaggcgagg aagacatctt ggtaagctgc ccatcctcta tgccttatgt gg 412

<210> 16295
<211> 384
<212> DNA
<213> Glycine max

<400> 16295

agctttaagt gtgattcctt tctttttctt gtcattctcc tcatgctgat tcaatcttat 60

tagttccatt tcatgttcct gtaactttcc aaacaaagtt gcaagagaca tgtttgaaag 120

atgccttgat tctgtaatag ccattacctt tgattgtcat tccctgctta aacatctcaa 180

aactttatta ataagatcct tattgggaaa tatctttcct aatgatgcaa gatgatttac 240

tatgtgtgtg aatgtctttt gcatgtcctg tatagtttca ttaggattca tcctatacaa 300

ttcaattcca tgagttaggt atttattcta gaccttttta catttgtagt tccttcatgg 360

gttacttgta agttattcca cata 384

<210> 16296
<211> 425
<212> DNA
<213> Glycine max

<400> 16296

tgcaccaact tctcatttca tccataagat actagttcat attttaattt aatgttcagt 60

aacaagacta aacatcataa taagaccaaa gatatataaa ttttttattt gatacttatc 120

tgtatatact aaaaggaaaa ctgctgaaat tagtaattat tgattatttt tgcaacatat 180

aggaaagaag acgttatgtg tgctttttta gtgatacgat gttatgtgtt taacagacta 240

ataatatagt tttacgtatt gaaacatcaa attataaata ttttgtataa aaattaatgg 300

tatatagttg ttggatgtat ttattcagaa aaaaaggtta ttgggtgtat ttctttttat 360

tggccctccc tgtcttctaa gtttaagttt gtccctgcaa catgtcattg accaattcta 420

tgttt 425

<210> 16297
<211> 415
<212> DNA
<213> Glycine max

<400> 16297

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tagggcatgc catgaacctt gccatagatt ctcatgacta actgagctac accaccggcg 120

gagcgttgct gtggaagtga tcccagatga gaacctttcg caaaccggtca accaccacca 180

acataactga gtgaccgtga tacgaaggaa gaccaacact actgtctaga gagaaatcct 240

gccatggtta cgccgaaatc ggaaggggag acaggaggcc tggggcacga ctgagaactg 300

acttagttgg ctgactggtg gcagagctcg tgaccaatag atggatgcct cgatgcatag 360

atggccagac aaaattctct cgagtacggg ctaacgtcgt cattactccc atatg 415

<210> 16298
<211> 409
<212> DNA
<213> Glycine max

<400> 16298

tgacaaaagg cctacctcat gtggtatggg tccaatgaag ttgtttaaac cgaagctaag 60

gcgagataag gaaagaaggt ttccaatcca agttgggatt gttcctgtaa gattgttaag 120

acctgcagct agcactctta gatttgtgca gtggctgaga ttacttggaa aactgccacc 180

aaaghtgttt atgctgaagt ttaggtattg aaggtatagt aaacgaccaa cctcttgagg 240

aaattcacca tggaagctat tgtttaacaa gttgactgtg gtgaggaatg tgaggtttcc 300

tatgaaggggt gtaagagtgc ctcctagtct cagttgctca aggctaaggt gtgtgactct 360

tccattggag atgttgcatg tgattcctat ccaatcgcag tgattgatg 409

<210> 16299
<211> 422
<212> DNA
<213> Glycine max

<400> 16299

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tgtattgtct tgtaataaag aagtcattga tatttggcat ttccgtttgg gtcatcattc 120

atatgatagg atgcaagtgt tgaaacaaac ttatcctatg ttgacttgtg ataaaacctt 180

tgtttgtgat acttgccata aagcaaaaca gagaaaactt ccatttccca atagtgactc 240

ctatgcttct agtcctttct ctttgataca tgtagatatt tggggtcctt gtaccacaac 300

tactttgaat ggacataagt attttcttac aattatggat gatcatactg cgattgtttg 360

gagttttata atgacttcaa aagctcagac tcaaaactcat ttacaagcct ttgtttccta 420

tg 422

<210> 16300
<211> 257
<212> DNA
<213> Glycine max

<400> 16300

ttttagcaaat gtaaacgggg ataacgtttt atctctttgt tcgattgagt cacgtaatac 60

atcgaaacgc ttgaaaattga aaacagaagc tctgtgcaaa ttctgacgac aatacatttt 120

aactcggatg ttcgattgag tcccgtaata tatcatgaca ctcgaaattg agaataaaag 180

ttttgaacaa attcaaaacga caataacttt gtactcggat gtccgattga gtccaccaat 240

atgtctagac actctta 257

<210> 16301
<211> 377
<212> DNA
<213> Glycine max

<400> 16301

tgcttggtat gaaaagttaa gttcttttt aactgaaaat agttttatat gaaggaaagt 60

agatactact ttgtttcaca aagattatgg aaccctaaac cctaatcatc tagatatata 120

tggatgatat catattcggt tgtactattg actctctgcg aaaggatttt tccaagttta 180

tgcaggccga gatcgaaatg agtgtgatgg gagaattgaa gtttttcctt ggacttcaaa 240

tcaaacaagc agacgaaggc atatgcatac atcatacaaa gtacgtgaag gaactcttga 300

aaaaatttta gatggacgat gcaatatata tgaaaactct catacatccg accactatac 360

ttagactaga tgatgat 377

<210> 16302
<211> 415
<212> DNA
<213> Glycine max

<400> 16302

cttctggtgg gacatcttga cttgctttcc aatctgacat tcaccactta ttctgccttc 60

ttctatttte agattgggaa tgcctctaac agcacctttg tcaatgattt tcttcatgcc 120

tcttaagtgc agatgtccaa atctttgatg ccatattttg acttgatctt ctttggagaa 180

tagacatgtg gaggagtaac tggttcttg agggttccat aggtaacagt tgtccttcaa 240

tctgctgccc ttcattaaga cttcactctt ctcatttgtc accaagcatt ctgactttgt 300

gaagcttaca ttgaatcctt catcacacaa ctgactgatg ctgatcaagc tcgcagacag 360

tcgcttcacc agcagtactt tgttcagact aagaagtccc tcatggacta tcttt 415

<210> 16303
<211> 381
<212> DNA
<213> Glycine max

<400> 16303

gcttgtaat cgattaacgt aattgtgtaa tcgattacca gacataaaaa attcaaattt 60

taagtctaaa gagttcacaaa tcttcagaaa ctaactgtgt aatcgattac cacttttatg 120

taattgatta ccagtaagga atttttgaaa ataacttcca agagtcacaa ctgttcaaga 180

aatttgttat gaccatctaa ggcctataaa taggtgattt gggatacaaa attttttaga 240

gtgtttctga acaaaattgt cttatcctct taaaaccaaa ttgtcttatc actcttaaaa 300

tattccttgg ccaaacactt gcaaattcaa taaggaatct tgagggagct tcacattgta 360

atatccttct cttaaagaga g 381

<210> 16304
<211> 422
<212> DNA
<213> Glycine max

<400> 16304

tgtcccaatt gagccagttt attcctcttg ttgatgcacc ttttgatccc caccaaaata 60

aattcagcat catttaaatc tcatcctcta gtgtggttgg aagcaagtgg atactcatgc 120

aatatgaagg gatttcctaa ttagaagttc cttattacta gctttggaaa gatactttct 180

cgagtagtga ttgatgcatt ccaaaatttg atcctttaga caactgaaaa tttctttatt 240

tcatttgcct atgatagaag ggaggcctaa gtatttttta gaccctatga ttgtagaggc 300

acccaaaaga aacatgattg tttgcgtcaa atattgttga gtgttggtgc tgaaaaaatt 360

ttatgacttg tctaaattaa tcatttggtc aaaagccctt ccataggtat ctaggaattg 420

ag 422

<210> 16305
<211> 420
<212> DNA
<213> Glycine max

<400> 16305

tttgttttca attagagagg tcctgatata ttacggtatc tttccggaca tccgagttcaa 60

aagtgattgt cgttagaatt tgctcagagc ttctgtcttc aattacgagc gtctccatgt 120

attacgggac tcaatcggac atccgagtaa aaagatattg tcgtttgatt cttctcagag 180

attcaatttt cgattacgag agttccgata tactacggga cacaatcgga catccgagtc 240

agaagttatt gtccgtttgaa ttggctcaga gcttctgttt tcaattacga gcatctcgat 300

ttaatacggg acacaatcgg acatccgagt caaaagttat tgtccgttgg atttgctcag 360

agcttctgtt ttcaattacg agccgtctcga tatattaccg gactcaatcg gacatccgag 420

<210> 16306
<211> 374
<212> DNA
<213> Glycine max

<400> 16306

agcttgcctg aaactatatg agatcccttt gtcgttgcct tccaacgagg gtgaagctta 60

aggagaaccc aatctcctat ctggtagttc acttcacgac gtttcccatc agcttggctt 120

ttcatagcag cttgttcctt agaagcttat ttcgaatagc ttggaaagtg ttatccctat 180

cagttaacat ctcttcaacg gcctcaatgt tcgaagaccc tgtaatatat tcaggaaagt 240

taaagggttt tcggccaaag gtgacaccat acggattggc tccagttccc gcattccatg 300

aagtattatg ggaccattcg acccacggga ggagcttccc ccccatgctt ggccgacgat 360

ggatgaaggc tcgc 374

<210> 16307
<211> 402
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16307

ttaaaactnt atacaagaac gaaactctga tatcacttgt tagacaagtg gcctcagata 60

tcttaattag gggggtcga attaagatat tgcaaactat ttccccaatt aaaaatctat 120

ttcaatttca atgcaagtta caagttcccc taaaatgaac tcttaaataa tgattcaaat 180

agaacaatct gaatataaat gtaaagcaat aataaataaa agagtttaag ggaagagaaa 240

gtgcaaactc atattatatc tggttcgatc acacccttgt gcctacgtcc agtccccaag 300

taatctgctt gagagtttca ctatcttgta aaatcccttt acaagttctg agcacacaag 360

gacaatccct ctttgtgtct catatttttt tacaacaaga gaccctcggt ctctcaatcc 420

ct 422

<210> 16308
<211> 362
<212> DNA
<213> Glycine max

<400> 16308

tgcttccatt ttcaattaca agcgactcga gatattacgg gactcaatcg gacattcgag 60

taaaaagtca ttgttatttg aatatgttca cagctactgt attcaatttt gagcgtcatg 120

atatattttg ggactcaatc ggacatccgt gctaaaagtt attgtcgatt gcatttgcta 180

cgaggcttcg ttttcaatta cgagcgtctc gagatattac gaaactcaat ccaacctccg 240

agctaaaagt tattgccgat ggcatttgct acaagcttgc gttatcaatt acgagcgcct 300

ctatatatta cgggacttaa tccgacctcc gagataaaag ttattgtcat ttgaaattgc 360

ta 362

<210> 16309
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16309

tccatcagga agggtcgtcc ctgtgtggtt cagactttgt aaaaggagtt ttacaaagag 60

agtggaaaat ttcaagtggg ttgcttgagg actggacgta gacacgggaa gtggccgaac 120

cagtataaat caagtttgca ttccttcttt ccttaaactt cttttattta ttgctattta 180

tcttttgctt taaaaaagtt tattttgaat tgtcttttga gtaattcatg ttaagggtgc 240

attgttaatc caaaaagaga gagtgaaagt ttaattgggg aatagtcttt gtatttttaa 300

tcaaccccct accccttctt aagataactg aggccatttg tccaacatcc tattcttgat 360

aactcacttc ttctaaaaaa gacaaaactt ccggaatgat aaaatg 406

<210> 16310
<211> 417
<212> DNA
<213> Glycine max

<400> 16310

ctataaggaa catgctggag aggaattgaa gttggtgtgc ttccagaagt gatgccaggc 60

caactgaata ggccactatg tgatttcata tctagttaaa cacctcacat aaggatctaa 120

gcatcagttc actacttcag tctgcccatc tattagagga caataagcag tgttaatctt 180

ctaggagggta cctggtctct ggaacacttc cttgcaccag agactcatga aaagactgtc 240

gatgccagat actactgatg caagataacc atgcacactc accacttctt taatgaataa 300

ctcagctact cccttagttg tataagggtg actccatgcc aaaaaatgag ctcacttagt 360

cagcctatcc actaccactg atatagtagc cttccctaga gctactggta agccttc 417

<210> 16311
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16311

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gccaagtagt taggccacta ttttagttta gttctagtta aacacctcaa ataaggttct 120

aagcatcagt tcactacttc agtctgccca tctatttgag gacaataggc agtgctcatc 180

ttcaattggg ttcctggtct cttgaacaat tccttccaaa agagactcat gaaaagtctg 240

tctcngtcag atactattga tgcaggaaaa ccatgcagtc tcaccacttc tttaatgaat 300

aactcagcta cttccttagt tgtataaggg tgacttaatg ccaaaaaatg agcttactta 360

gtcagcctat ccactaccac taatatagtg tccttccctt gagcttttgg taagcctcca 420

atga 424

<210> 16312

<211> 383
<212> DNA
<213> Glycine max

<400> 16312

agcttgttcc atttggtcta ttgctgagaa gttatggtga tacaattgca actgcaaaaa 60

gaattggaca atattgggaa gaagatctat cctgcatgag ttggcttgat caacaacctc 120

atggttctgt cttgtatgtt gcctttggta gtttcactca ttttgaccaa aaccaattca 180

ttgaactagc tcttggactt gacctcacca atagaccttt tctttgggtt gtgcatcaag 240

acaataagag ggtataccct aatgaattct tggcgtgtaa aggtaagatt gtgagttggg 300

ttcctcaaca aaaggtgcta agccaccctg ctatagcatg ttttgtcacc cattgtggtt 360

ggggtcatgc tacgtgcacc cag 383

<210> 16313
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16313

ntgcagtaga tgccactcta ctctaaattt ttgaaagata tgttaacaag gaagcacaaa 60

tatattcatc aggaaaacat catagtggaa ggaaattgca gtgttgtgat ccagaaaatc 120

cttccaccca agcataaaga tcctgggagt gtaacaattc cttgttcaat tggagaagtc 180

aatgtgggaa aagctcttat tgacctagga gccaacatca atttgatgcc actctccatg 240

tgttgaagat tgggagagtt ggaaataatg cccactcgaa tgactttaca attagctgac 300

cgctccatta ccaggccata tagagtaatt gaagatgttt tggtcagagt aaaatatttt 360

atcttcccag cagactttgt ggtaatggat atctctgaag atactgacat ccctgtaata 420

tt 422

<210> 16314
<211> 377
<212> DNA
<213> Glycine max

<400> 16314

agctttgagc aaattcaaac gacaataaca tattactcgg atgtccgatt gtgtcccgta 60

gtatattgag acactcaaaa ttcagaatag aaggtctgag taaaatgaaa cgacaataac 100

tttttactcg gatgtccgat tgagtctcgt aatatatcga gatgctcgaa attgaaaacg 150

aaagctcgta gcaaatgcaa accacaataa cttttaactt ggatgtccga ttgtgtccgg 240

taatatattg agatgcttca aattgaaaac agaagcttgt accaaaatct aacgacaata 300

acattttact cggatgtcca aatgaatccc gtaatatatc gagatgcttg taattgaaaa 360

cggaagcttt gagcaaa 377

<210> 16315
<211> 403
<212> DNA
<213> Glycine max

<400> 16315

tattgtcgtt tgaatatgct tagaccttat gttttttatt tcgagcggca cgatatagta 60

cgggacataa tcggacatcc gagtaaaaag gtatagtttt ttgaatttcc tcagagcatc 120

agttttcaat ttcgagtgtc tccatatatt acaggactca atcagacatc cgagttaaaa 180

gttattgtcg tttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240

taagggacac aatcgtccat ccgagaaaaa agtgaatgtc gtttgaattt gcacagagct 300

tctgatttca atttcgagcg tgtcaatata ctacgggact cgatcggaca tccgagttaa 360

gagttattat ggttttgaatt ttctaggacc tactattatc aat 403

<210> 16316
<211> 387
<212> DNA
<213> Glycine max

<400> 16316

agcttgagac catatactaa cacactttga caatcatccg ctactaccac attgtaacct 60

tcgtcatcac ttgggtcaga ccgcatatgg tcatcagttt cactcccatt atcatactca 120

gaccgcacat atgccatgtc aatagttctt cttcctgctt cttgccatgc tagtaaccta 180

gcagcatcaa ccttcggaga ttgacgtctg atggtgaagt aatcagagca taacagagat 240

ccatcatcac aatttttctc agtcatgtaa cccttttcgc aggagacttt gtccattgat 300

acagattgtg aacttttcag tatcatgtta actactctgg cgacactaac acatatatct 360

ttatgtaaga gagccttgat catatga 387

<210> 16317
<211> 389
<212> DNA
<213> Glycine max

<400> 16317

agcttattca ttgatgaaca atgaaacctt gttttattga actaattgct ttccacatca 60

ttttcaggtt ccgagatttt caaagatcgt ccatcatggt attgtgactg tcgatgcctc 120

aatgtattga gtgtagtctc aacagggaat gggggcacaa tagagcttat gtacatgcag 180

gtctactgat tattttatac aaaagaaaag ttgaactata gtttaaatta tcttttaatt 240

attcctatgt tgttttcttg atattcaaat ttgatttttt ttctaaacat atgcaccaac 300

aacattggca gctgcaagag acttctggac tttgagatac gctactagtt tggaagatgg 360

aagtcttatg gtattgagtg gaatcttga 389

<210> 16318
<211> 386
<212> DNA
<213> Glycine max

<400> 16318

agcttgctca tataggtttc cttgtttaag agttggtaca tagatagcgg atgctctaaa 60

catatgacgg gagatgcatc aaagttcact cttatctctc ccaagaaaag tggacatgtg 120

acttatggcg acaacaataa aggtagaatt cttggagttg gaaaaatatg tacaaactca 180

tctttcttca ttgagaatat tctacttggt aaaggtctta agcacaattt gctaactgtc 240

agtcaattat gtgataaagg ctatctaata tcatatgatt ctcataaatg tgttattgaa 300

aatgagcatg ataggaatat aaagcataca ggtgatagaa caaataatgt gtacgtgata 360

gatttaagtc aaaaacaata ccatga 386

<210> 16319
<211> 353
<212> DNA
<213> Glycine max

<400> 16319

agcttctcga tatattatgc acatgaatcg gacctccgag tgacaagtta tggccatttg 60

aatttttcga gagcttacgc tgctcaattt cgagcgtctc gatttattat actcctgaat 120

cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180

tgtgagcgtc tcgatatatt atgcgcctga atcggacctt cgagtgacga gttatgagca 240

ttagaatttc tcgagagctt ccgttgctca attacgaacg tttcgatata ttatactcct 300

gaatcggacc tccgagtgaa aagttatgac catttgaatt tctcgagagc ttt 353

<210> 16300
<211> 348
<212> DNA
<213> Glycine max

<400> 16300

ttcttctcga tatattatgc gcctgaatcg gacatccgtt tgaaaagtta tgaccatttg 60

aatttctcga gagctttcgt tgttcaattt cgagcgtctc gatatattat gcaccggaat 120

cggacttccg tgtgacaagt tatgactaat tgaatttctc gagagcattc gttgttgaat 180

ttcaagcgtc tcgatatatt ttgcgcctga aacggacttt catgtgacaa gttatgacca 240

ttggaatatc tcgagagctt ccgatgttca ttatcgagct tctcgatata ttatgcgcct 300

gaatccgaca ttcgtgtgac aagttatgac catttgaatt tctcgaga 348

<210> 16301
<211> 384
<212> DNA
<213> Glycine max

<400> 16301

agcttgagat tttctattaa atttataacc attcctttca tgtgcaatct atacattgaa 60

agccaaaggc ccacaactta tgtgcttgat atgtaactgc ttactcagtt tttgtggatc 120

acatcgaagc tcatgctggg agtgttcaaca atctcgcttt ttcttatcca aacgaacagc 180

tttgtgtttgt gacctgagga gaggataagg tcatcaaggt taattgtcac ataatttgtc 240

atagatatct atatcaatat caatttaaaaa accaattttcg agtgttcaag atattgcacg 300

tatgggatgc cgttactggt gcagagcagt atacttatga gggacatgaa gcacctgtta 360

ttctgtatgc cctcatcaca taga 384

<210> 16322
<211> 376
<212> DNA
<213> Glycine max

<220> misc_feature at all n locations
<400> 16322

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ttatttataa gcagagattg acgattcaaa ttacatattt ataagagacc aaccaaacac 120

aaagcaacca cagcttataa cacccgtaac aaatcctaga acatttgaat ttgcaaaggc 180

tggccatgac cacttattc taaaacttca aacacaacac atacttatta tttattgata 240

catgtattac agctatctct gcttgaaggt tatgcatgtt gatctcactt gcagctgcat 300

cggtcgcaag tgcagttntga tccacagttg cagccaccgt tctcagctgc aacacccatt 360

ttagcaccct cgaatt 376

<210> 16323
<211> 361
<212> DNA
<213> Glycine max

<400> 16323

ttcttgcatg atttacatct ccccctttct caagcaaatt cttcttgata tcatcaaaat 60

cttcatgatc ccgactcgtt ggtggaggat gcatgaatga caatcaattc atggggctcc 120

gaataaaagt ggagaatgga ggataggcga atagcgctag gcaatcaatt cgcggttctc 180

ccgactcgtt ggtggaggat gaatgaatga caatcaactc atggggctcc gaataaaagt 240

ggagaatgga ggataggaga atagcgctgg gcaatcaatt cgcggggctg cagactccat 300

ggtggaggat gcatgaatga caatcaacta gtagggctac gaataaaagt ggagaatgga 360

g 361

<210> 16324
<211> 366
<212> DNA
<213> Glycine max

<400> 16324

ttcttgaaat tgaacaacgg aagctctcga gaaattcaaa tggacataac ttttcaaatg 60

gaagtccgat ttaggcgcat aatatatcga gaaggtcgaa attgaacaac agaagctctc 120

gaggaatttt aatggtcata acttgttaca cggaagtccg atttaggcgc ataatatatc 180

[illegible] 240

acggaggttc tgattctggc ggatagtata tcgaaaaggt cggaatttaa caacgaaagc 300

tcttgagaaa ttaaaatggt cataacttct gaaacggtag tccgatttaa gtgcatttta 360

tatcga 366

<210> 16325
<211> 309
<212> DNA
<213> Glycine max

<400> 16325

atgcaacctt ggcatgctat cttgaaagac ttggagtatc tatataaaga gtaataattt 60

gcatcttgaa catcaacggc cttggaatcg atgcaatcct cccaatgtga ctctctcatg 120

atcgagccat atatgctgga gaatgccctа tggttcttat gagccttacg gtagattttg 180

ggcccatgga ctaagtctga gcccactcat ctttgtacat attaaatcac ggttccatta 240

tttctaggcc ttatattcaa ggcttcatac tgaatggagg gtaccctact catgtaagaa 300

ttttatacc 309

<210> 16326
<211> 382
<212> DNA
<213> Glycine max

<400> 16326

tgcttgtgcc aataaagatg gtgaaaaaat tcaagaatag ttcaatacca tttcatctct 60

tgaaaatcta cacccttgtg gagtggatcc cacctcaaga gttccaatct tacatacgga 120

gagaagatca gtggaagact caatgacata taagcatctt tataggttga tgagtactct 180

cttttgcatt cttccattct acttttgacc aaggatagtt gaccatattc ctcagaagca 240

tcactgaaaa tctcatcagc agcctgcagc accaaatcac ttcgtgactg atatgcttgg 300

ctctcactat cactctcatc agtgcttgat tcacctttta ttttatgatc atcccattcc 360

atggatgtga ccttattatt ac 332

<210> 16327
<211> 344
<212> DNA
<213> Glycine max

<400> 16327

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 344

<210> 16328
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16328

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tcgtcatcac ttgggtcaga ccgcatatgg tcatcagttt cactcccatt atcatactca 120

gaccgcacat atgccatctc aatagttctt cttcctgctt cttgccatgc tagtaaccta 180

gcaggatcag ccttcggaga ttgtcttctg atggtgaagt aatcagagga taacagaaat 240

ccatcatcac aattnttctc agtcatgtaa ccctttttcgc aggagacttt gtccatggat 300

acagattgtg aacttttcag tatcatgtta actactttgg caacactagc acatttttct 360

ttatttagga aagccttgat catatgaaga tcaag 395

<210> 16329
<211> 394
<212> DNA
<213> Glycine max

<400> 16329

[illegible] 60

tgggtcatat agatgtcttc ctctaaatcc ccatgcaaga atgcagtttt aacatctaac 120

tgctctaagt gaagattctt tgcagctaca atactcataa taactttgat ggtagtcatc 180

tttatcaactg gagagaagat ctctgtgaaa tcaattcctt gtttttgttg aaaccctgtc 240

agcacaagtc tggcttgtta tctttttcta ctgagaaatt cttcttttag cttatagacc 300

cacttattct gtaacacttt ctttccttct gacaatttaa ttaaatacca catcttattc 360

ttcttcaagga atgccatctc atctgtcatt gcta 394

<210> 16330
<211> 389
<212> DNA
<213> Glycine max

<400> 16330

atcttcaaca tcatactcct tccattgtgc tggaactact tcacatggac ttgatggggc 60

ctatgcgagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttggg gatgatttct 120

ccagatttac ctgggtcatg cttcatgcca tagaactttc ctataatctc tgggctgaaa 180

ccatgaacac agcatgctac atccacaaca gagtcacact tagaagaagg actccaacca 240

ctctgtatga aatctggaaa gggaggaagc ctactgtcaa gcacttccac atctttggaa 300

gtgcatgtta catctttggc agatatatag caaaggagat agatggatcc caagagtgat 360

gcaggaatat tcctgggata ctctacaaa 389

<210> 16331
<211> 380
<212> DNA
<213> Glycine max

<400> 16331

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcatc ttctttggag 180

aatagacatg tggaggagta actggtttct tcaggtgtcc ataggtaaca gttgtccttt 240

gatctgctgc ccttcattag gacttcactc tttcatttg tcaccaagca ttctgacttt 300

gtgaagttta cattgaatcc ttcatcacac aattgactga tgctgatcaa tgtcgcagtc 360

agtcccttca ccagcagtac 380

<210> 16332
<211> 284
<212> DNA
<213> Glycine max

<400> 16332

agcttctcga tatattatgc gcctgaatca gacttgcggt gaaaagttat gacccatga 60

attttctcgag agcgtgtgtt gtccaattac gagcgtctgg agatagtatg cgccttgaatc 120

tgacttccct gtgatagaga atgaccatat agaatgtggc gagagcttcc gatcttgtat 180

attagagcgta tggatgaatg attaaccgga atcggacttc cgtgaggcaa tctatgacca 240

tgtggagtacc gagatagcat tccctgctta aacacaagcg tctg 284

<210> 16333
<211> 388
<212> DNA
<213> Glycine max

<400> 16333

agctgctgcg agatttttttc cttgagaagc tagagcttag ctacgcacac ccatctaaaa 60

actaagctca ccttcttgag aagctagagc ttagctacac acacccattt taaaactaag 120

ctcacctcct tgacaaaata catgaaaata caaaaaaaag tccctactac aaagactact 180

caaaatgccc taaaatacaa ggctaaaacc ctatactact agaatggtca aaatacaagg 240

cccaaaagaa ggaaaaacct attctaatat ttacaaagaa gagtgaatcc aaccttgacc 300

catgggctgg aaaatctacc ctaaggttca tgagaatcct atggccttct ttggtagcta 360

tagcccaagc ctcttggagt cttctatc 388

<210> 16334
<211> 379
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16334

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aggaattcaa atgtaatgga gattctcaga aagacaaggt ttccccgagt tcaagacatg 120

ggagatgaga gttctcctca gacaatttctg gatcatgagt aagcccttca tctcttttcc 180

ttgaatcttt actagcaact gatgcttaga gatcgtgaaa ctaaatcaaa tgcagtccta 240

agtcttaagt ttaccctgg ccaagaccta aacttgtggt ttaattggtg tagtcgaata 300

atttggcttc gggatttaaa ttaccggata gccctttctt acgtgccagc atcaacctct 360

gttgagatgc atcaattgga 379

<210> 16335
<211> 333
<212> DNA
<213> Glycine max

<400> 16335

tagcttgata cgtatccatc aacgaggttg aatgccacca ttcttgatgt ggtgtataag 60

aaagtgatga agctactaat tgtatggagc atgtacccca ttcottataa cacgagcgtt 120

tcacctatct tagtggtccc ttagaactca cgcatcccta ttgggaggaa ccatgataat 180

gagttgatct cgactataaa ggccaatctt tggcatgtct gcgtggatta tacgagactg 240

cccgctgcta ctaggttgga tcacttgcct ctctcattca ttgattaaga tctggagagg 300

ttggcatgtt tatcacatta ttgctttctt gat 333

<210> 16336
<211> 374
<212> DNA
<213> Glycine max

<400> 16336

ttgcatgcat tcttcgggaa cgacaccttc cggcaaccag gaattaactt tccgagaacg 60

cgcgctttct tctgcacagc cggcaagctt cttcgaatct catgcgtggt cttcttcatg 120

aattcgttgg cggagtactt cttgaccttc ttgtggtgtc tctgcttcca gcggcagatc 180

ggattgaga gaatggcgcg gctccggcga gttctgcctt tggcagtggc gccaaagacg 240

cggtcagcgg aggcgcggac ttcgagggcg gcggtagggt tgctgttgcg gcggagcgag 300

tggatgagct tgtaggagta gatgcgctgt tcggttatgg aagtccagga tggagtgaga 360

gcgaatgagt ttig 374

<210> 16337
<211> 377
<212> DNA
<213> Glycine max

<400> 16337

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 377

<210> 16338
<211> 376
<212> DNA
<213> Glycine max

<400> 16338

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gttggatcaa atggagaata gatatcctaa tggagaagaa aggaggataa gagggaatga 120

tggtgttcct agacaaaagc gaattgatgg tattaaactc aacattcctc cctttaaagg 180

aaagaatgat cggaggact acttggagtg ggagatgaaa atagagcatg ttttctcgtg 240

caacaactat gaggaggacc aaaaggtaaa gcttgccgcc acggagtttt ctgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360

tacatgggca gagatg 376

<210> 16339
<211> 377
<212> DNA
<213> Glycine max

<400> 16339

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gcaaaagatc aagaggaatt agtgggttaa aaccataaac aacttctaaa ggagaacaat 120

tagtggtgct atgaacaact ctattgtaag caaattcaac atggggtaaa caagcttccc 180

aagttttaa gttattcctc aaaactgtcc taagcaaagt tcncaaagtc ctattaacaa 240

gttcngtttg cnnatnggtt ngtgggtgac aagtggttga aaataacaat ttagtgcnca 300

acttgcttca ctaagtcctc caaaaacgca gatcatgaag cctaggtata ggatgggtat 360

acttaatggc gatgtta 377

<210> 16340
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16340

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ncctggagga ngtttgagg tcatgtgtct tatagcaaaa ggggagagct ttctttcatt 120

gatagagttc acttacaaca acagttatca ctctaccata ggcatggctc cctatgaagc 180

tctgtatggt aaaaggtgta ggacacctct atgttggcta aagccctgag aagacctcac 240

ctaggactt gaagtggtac aacaaaccac cganaaagtc aagttgatcc atgaaaggat 300

gaggactgct cagagtatgt agataagtta tcacgattag aggatgaaag acttggaatt 360

cgaggatggc gatcatgtat tctagaaagt cactctgtgg act 403

<210> 16341
<211> 431
<212> DNA
<213> Glycine max

<400> 16341

gacctataaa actaagctat gctgtaacat tataatagac ccnctcagct tctaaaccaa 60

caacagcaga ataattatga tctttcaagc aacacataca atccagcttg gagaaatcat 120

ccaaatctga gatggacaag tcctccacaa caacaacagc atgttccttc tttcagaat 180

gctattggtc caagcaagct gtatgttcct cctccaatac aacaacaaca gtcacaacaa 240

aaacaacaad caactgaggc tcctgctcaa ccttccatag aaaagttagt gaggcaaatg 300

actatccaga acatccaatt ttagcaagag acaaaaacct ccattcagag tttgacaaat 360

caaatggggt agatggctac tcagatgaac caagctcagt cccaaaattc taaaaaattg 420

cttcacaaa c 431

<210> 16342
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16342

tatgaaacct aaagaaaaca agaaataata tgtcttaata ttacaatnga tatgattttt 60

gaaaagaaaa tattataaaa aaacaaaact aaccatgttg gatggcatgt gcttaaatct 120

gtaataacag tagtaaaaac aatcttcttt aaaagaccct tagacctcaa aattcgaagt 180

ggaacgtgct gcatcagtgg atgcacactg attattatat ctggctgata tttcattagg 240

cctttagcaa cctcgctgta aaaagagaaa aagatatttt aactgtgaca tttgatgtta 300

catcatattt gagaagagat acacatgcac aagaaagtat ttttctgaaa catggaatgc 360

agaaaaagtc aataagtttt gtctaatatt aacacaatgc acaacataca ttg 413

<210> 16343
<211> 406
<212> DNA
<213> Glycine max

<400> 16343

tagtgacata agccaaacac atggtattgg ctaatgtccc tatgaaagcc catccatgtc 60

ccaggttcca agcaaacaca gccattcccc accaccacac ctgctctcca aagtaatttg 120

gatgccgaga ataataccac aacccctttgt caagaatagg gacctccttg ttctttctac 180

tcacaaagtt gtaaagctga gtatcagcaa tgtatgccgt gacaatgcca gatacacaca 240

caactatggc taccaagtcc cacatgctca gaggctggtt caccgagtgg atgacataga 300

acggaagaga caatccaatc agaaacacct gcaaggttgt cttgatgtaa attaaaagta 360

aaagcaaggg aaaatgatga ctaagagtaa ccttaattac ctgctg 406

<210> 16344
<211> 414
<212> DNA

<213> Glycine max

<400> 16344

tacatcaata ggaataataa taaaaaagaa ggcatatatt ttctgcgctc tatagctcta 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 414

<210> 16345
<211> 368
<212> DNA
<213> Glycine max

<400> 16345

aaactcaagc taaaaaaggc atgcgaagtg ggtggaattc ctagtgcaat tcctcttagt 60

catcaaacat aggaagggaa aaggtaatat tgtatccagt gctctttctc ggcgtgatgc 120

atcactttct atgcttgaaa caaaatggat tggtctagaa tgtttgaaaa gcatgtctga 180

aaatgatgaa actattggag aaatttgtaa aaattgtgaa aaatcctcac ataatggttt 240

ctgtaaacat gatcgcttac ttgtcaaaga caacaaattg agtgtgcctt aatgatatag 300

tagaaatacg ctcgtttgtg aagcacatga tagatgttta atggggcatc ttggggtcca 360

aaggactc 368

<210> 16346
<211> 372
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 16346

atcttcttaa nagcacttga ctcgatttgc ctaattctct ccctactcac acccaacatc 60

tcccctatct cttgcagggt cttcgtcctt ccatcatcca taccaaatct ccatcttacc 120

accngcctcn ctcttgcatt gagacngtcc agagcctctt ctaggtcctt cttcangaac 180

tgcttaagga gctgttcttc agctgtttcg gcatcaggat cagaaattac ttcctggtaa 240

aaaacacaca agtatcagca aaatgaacat caaatgaaag caaagagttt ttttttttt 300

tttctggagc aaaaatttga acgagattag gacagactga gggtttaaga ttctggttga 360

ttccaatctt tt 372

<210> 16347
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16347

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caagaggctt ctttgagaag ctacatcctt atctatccat ccctctatta actaaattaa 120

cttccttaaa aataattacg gatgaaaata acgcaacaaa taatcaaaca tcaaacataa 180

ttactaataa tatatagata tatatatcag ggtgttacac atcatatatt gagacgctcg 240

aaattgaaca atggaagctc tcgagaaatt aaaattgtca taaattttca cacggatgtc 300

cgatcaggca catcagatat cgagacgctc gaaattaaaa aaacggatct cgagaaattc 360

aaatggtcat aatttntcaca cgga 384

<210> 16348
<211> 371
<212> DNA
<213> Glycine max

<400> 16348

ttctttcaca tggatgtccg attcggggac ataatatatc gagacgctcg aaatcgaaca 60

acggaagctc tcgataaatt cgaatggtca taacatttca ctcggatgtc cgattcgggg 120

acataatata tcgagacact cgaaattgaa caacggaagc tctcatgata ttcgaatgct 180

cataacattt cacacggatg tccgattcgg ggacataact catctagacg ctcgaaattg 240

aacaacggaa gctctcgaga aattcgaatg gtcataagat ttcacacgaa tgttcgattc 300

ggggacataa tatatcgata cgctcgaaat tgaacaaccg aagctctcta gaaattcgaa 360

tggtcataac a 371

<210> 16349
<211> 358
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 16349

nnagcnntgt cccaaagct tcatgtagac tcgttttaaa tcgcgaagtg aacctcggat 60

tcctgtcaga tacaatacta caaggaattc catgcaacct tactacttcc ttgatgtaca 120

actacactag ctttgccatt ctatacttca tccgaatgaa atgttatgac catttgaata 180

tctcgagagc ttccgttgct cgacttctag cgtctcgata tattatgtcc ctgaatcgaa 240

ctttcgagtg aaatgttatg actattcgaa tttctcgaga gcttccggtg ttcaatatca 300

aucggctaga tgagttatgt ccccgaatct aacatctgtg tgaaaagata tgaccatt 358

<210> 16350
<211> 375
<212> DNA
<213> Glycine max

<400> 16350

tgcttgcagc gcatttctga tgaactttac cagaaattgc ggtaggaggt cccaggactg 60

ggaagctccc agtgaagggt tctgcctttc ttacagctga aggatcatcc agatcaagcc 120

ttgctataag ttcaccagcc tgcaaaaggt gatacaattt tattatcttt ttcaatttca 180

acaattgtac ttcctatgtg gaatagaatg ctatatacct gcattgcttg accttcagac 240

attttgaaat gaataatccc agaagcaggc gaaagaagag gcatgcacat tttcatgacc 300

tcaacttcag catacggtgt gtcagcatca acatgactgt catctgcaac caaatatctc 360

agaagcttgc atggt 375

<210> 16351
<211> 381
<212> DNA
<213> Glycine max

<400> 16351

ttgtaagtta tatatttcaat atatttttata tgttttattt atgtacatgt ttatatttg 60

atcaaatgaat aattttaggt agtataagtc aatatatttg atatcttttta tttatgtaca 120

tgtttatatt ttgataaatg aataatttta ggtagtataa gataataatt ttgtataggg 180

ttctttgtat tgttaatgtt atatatgcta gattatattt tgataaataa atagttttag 240

gtagtataag attatagttt gaattgttaa tgttatatgg tagattagat ttaggtttat 300

atgataaatt aagaatactt ttacatactc taaatttatta attttatatg gtaaatttagg 360

aatatttttaratttttgatat g 381

<210> 16352
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16352

ngtgnctaag ctgactatgt agctgctcaa tatcttagtt gttaatgctt tcatggggag 60

taagagcaat tgatggagct gaggtagaag ctgaagcaca gttgatgatt ggaatgatta 120

tctgcctaat gtcaaagtca tcagagacac acacccacat ctntaattgg aaaagttcat 180

caatcctctt atcattgaac accaactttg caagtgtagt cttccccatg cctccaagac 240

ccactatggg aataacacac acacttttat ctccatcacc atccccatga gggtgaggtt 300

gcatcaaaag cttgataatt tcttccctat cattatccct tccaatcact gctgaagcat 360

caatatgtga ataagtcatt tctcttcttt gcacaagtct gtggtcaaca gaaatcctc 419

<210> 16353
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16353

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acccgacgaa gacactgaca aaaacttatc tattcctttt tggacaaagt atggcaggct 120

gggggcaagt aaatttttctt cccatcagac cttggatgca actgtgatcg tataccccata 180

tcagctagat cttgacgggt attcaagcca tccttcgtct tgccttgaat gttaaggagc 240

gtcccaatca cactgtcaca aacattttttc tccacatgga taaaatcaat acaatgtcta 300

acgtcaagat cacactagta tggaagatca acgaaaatgg acctcttctt ccatatgcaa 360

ctctgactnt tatccttctt ttg 383

<210> 16354
<211> 409
<212> DNA
<213> Glycine max

<400> 16314

ttgatggaga gatatggcct cctctagttt ctcatictta tacaagaata caacagattt 60

atgaacattt attttttgtc ccgagccact acaaaagcat acataataga tctgataacc 120

taagcttgat gtacagaagc ctcaaccacg aattatgtca tcgatgaaga atacatgcac 180

cactgtgact cctgtactat tcccaaacca gaagggtttg caattaccct cattgactga 240

cttttaaatg agatatgcta ggctctccat gtgcaagaca aagaggtacg ggggtgaagg 300

gtccccttgc ctcagtcccc atgtaggagc aagagaattg caattgatag ctaacgaagt 360

gctcatacaa ttagagagaa tatcagtcat ccaagaggga atctt 405

<210> 16355
<211> 415
<212> DNA
<213> Glycine max

<400> 16355

tggtcttaat tataccaaga tagatgtttg ccctatgagt tgcatgttgt attgggaaga 60

agatgaaaat ttgcagattt gcaaacattg cagaaaatct agatggaaag caaaaggtaa 120

taatggtaaa aagaatgtac tagcagatac tttccttga aaccaaggtt gcagaggtta 180

tttgtgtgtt ccaaaatagc aaagtccatg agatgacatt ttttaaatag caacccaaat 240

ggatngttga ggcatccaag agttgctaat gcatggaaaa gttttgatca aattcaacct 300

gaatttgctt tagaacctag aaatgttcgc cttggccttg caagtgatgg cttcagcaca 360

tgccgaacca tgaataataa gcatactata tggtcggtgc ttctaattcc atata 415

<210> 16356
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16356

ntgtgctcca actcaacagg taggtgattt gatttattat agaccaattg gaagggacca 60

atcctttgta tgctattttg tatgcccaca aagcttcatc tagtttttgg gaccaatcct 120

tngttgaatg agcaattgtt ttctctagga tctcctagaa ttccttatta gagacttcag 180

gttttccatt gttttgaaaa tggtaaaatg aagctaccat gtgtttgaca gtatagtgtt 240

ggaggacttt cttgagttgg gaattacata aagaagatcc tccgtcactt atcaataccc 300

ttggtgatgc aatcctaccc cgcaagggca ttggatagaa aactccaagt agattgggcc 360

agatatgcaa gagaaggccc tatggttctt atgagcctt 399

<210> 16357
<211> 419
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16357

gctacaagga ttntgcgaga ctcctttngag ggaaatttaa tttgtataat tgctactatt 60

tccccgtctg cttgttgtat ggaagaaaca cttactacat tagactatgc tagccgtgca 120

aaaagcataa agaataagcc tgaggtcagt taccactgct attgttcctt acaagttaca 180

attcttctaa aagcagtttt aaagctttgt gtgtttttta aaaggcaaac caaaaggttt 240

cgaaggttgt tttgttgaag gacttgtaca gggaaattga tagggtgaaa gaaggtacac 300

tcaccaccac tattagtttt ggaatgtaga gaagattttg tatcttatct tttgtataat 360

atgaatattg cagatattcg agcaacaagg gaaaagaatg gtgtatatat ttctcatga 419

<210> 16358
<211> 382
<212> DNA
<213> Glycine max

<400> 16358

ttcttgtgcc aataaagatg gtgaaaaaat tcaagaatag ttcaatacca tttcatctct 60

tgaaaatcta cacccttgtg aagtggatcc cacctcaaga gttccaatct tacatacgga 120

gaaaagatca gtggaagact caatgacata taagcatctt tataggttga tgagtacttt 180

cttttccatt gttccattct actttgacc aaggatagtt gacaatattc ctcagaagca 240

tcactgaaaa ttcatcagc agcctgcagc accaaatcac tttgtgactg atatgcttgg 300

ttctcactat cactcttcatc agtgcttgat tcaccttcta ttttatgatc atcccatttcc 360

atggatgtga cttattata ac 382

<210> 16359
<211> 381
<212> DNA
<213> Glycine max

<400> 16359

tttatcttga tgcaaatccta ccccgcaagg gcattggata gaagagtcca agaacattgg 60

acccaagatg caagagaagg ccctagggtt ctcatgagtc ttaaggtaga tttcgggccc 120

atggactaag tacgagccca cttatctttg taaatattag attaaggttt cattattttt 180

gggccttgta gttagggctc cataatgtag gtagggtgcc ttagaaatat aggatttttc 240

atccattgta ttttagggca cctagactag ttttttgtatt aggggtagtt ttgtaatttc 300

atatgcacta agtgaatatt tgatcgtgtg gttggaaata aatttaattg aattggtaga 360

agcccaatcc aattaaattt t 381

<210> 16360
<211> 383
<212> DNA
<213> Glycine max

<400> 16360

tcatttcttct acatttcaatt tcgagctttt cgatatatta cgggactcaa tcggacatcc 60

gagtaaaaag ttattgtagt ttgaatttgc tcagggcttc ggtattccat ttcgagcgtc 120

tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaatttg 180

ctcagagctt ctacattcca tttcgagcgt ttcgatatat tacgggactc aatcagacat 240

ccgagtaaaa agttattgtt gtttgaattt gctcagagct tcggtattcc atttcgagcg 300

tctcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt 360

agctcagagc ttctacattc aat 383

<210> 16361
<211> 411

<212> DNA
<213> Glycine max

<400> 16361

gtgagaaaat tcaaacgaca ataacttttt actcttatgt ctgattgagt cccgtaatat 60

atctagacgc ttgaaattga atacgaagcc gctgagcaaa ttcaaacgac aataacttct 120

tactggatg tctgattgag tcccgtaata tatcgaaaag ctcgaatgtg aatgtagaag 180

atcaagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt 300

tttatcgga tgtccgattg agtcccgtaa tatatcggaa cgctcgaaat tgaatgttga 360

agctctgagc aaattcaaac gacaataaac ttttactcgg atgtctgatt g 411

<210> 16362
<211> 378
<212> DNA
<213> Glycine max

<400> 16362

tattcttgaa atcatctatt cagatgtttg tagccctata caagtagagt cccttggagg 60

aaataggtac tttgtaacct ttatagatga tttcactaga aagacttgga tttatatgat 120

caaaagaaag agtgatgtgt ttaatatatt taagaagtac aaagcttata ttgaaaatca 180

aagttctagg aagattaaag tgttgagaac tgatggaggt ggtgaataca cctcaaaaga 240

attcctagaa ttttgtgatg aagcaggaat tgtacatgag ttcacaccac cctacactcc 300

acaacacaat gggttagcag aaaggaagaa tagaaaaatt atgaatgcgg ttaggagaat 360

actcaaatgc aaggatct 378

<210> 16363
<211> 420
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16363

ntaaataggc attcctatct gcaaaagaat aaattttctg gtaaaaaata aactcaaccc 60

aagtgtgaga tnnttnatgc atccaataaa aaggtgagac ttcatnaatc ataaaaatga 120

tggtttactc aaataaatta cattttattt ttcaagaaca atttaaattg tgttgagatt 180

ttttttggta aatcataaaa tgatgtagaa attaaatttа aagatagaaa tgaaagagat 240

tgacaaggag aagtaattga attaagacat gaaccatcaa tgagttgtat atgggggttg 300

tagtcaagaa ctaatcttta tgtgttaatt attaaatgat ttaatttata tatgaaaata 360

ctagaaattt taaaacaaat tatttataag aaacttatаa tatgacтata cttaattcac 420

<210> 16364
<211> 377
<212> DNA
<213> Glycine max

<400> 16364

atcatattat aaattcgaat ggccattgct tttcactcga aggtccgatc aggcgcatca 60

catatagaga cgctcgaaat tgaacaacgg aagctctcga gatatgcaaa tggtcataac 120

tttaaactcg gaggtcggat tcatgcacat tatatatcga gacgtccgat attgaacaac 180

agaagctctt gagaaattca aacggtcatt acttttтact cggaggttcg attcaagcgc 240

gtcacatata gagacgctcg caattgaaca acggaagctc tcgagatatt caaattgtca 300

taactttcaa ctcggaggtc cgattcatgc acatataata tcgagacgct cgaaattgaa 360

caatggaatc cctcgag 377

<210> 16365
<211> 429
<212> DNA
<213> Glycine max

<400> 16365

tactcaagct taaaggagaa gttggttttc tgaactctaa acttttтact ttatttattc 60

aataaagatg ctgaatgaga gctcatatat gcttgatgag gtgctacagc ttgggaagaa 120

tgttggaaac cagagaggac ttgggtttaa tcataaacct gctggcagaa taaccatgac 180

agaatttgtt cctgccaaaa acagcactgg agccacgatg tcacaacatc ggtctcgaca 240

tcatggaacg cagcataaaa agagtaaaag aaagaagtgg aggtgtcact actgtggcaa 300

gtatggtcac ataaagccct tttgctatca tctacatggc catccacatc atggaactca 360

aagtagcagc aacagaagga agatgatgtg ggttccaaaa cacaagattg tcagtcttgt 420

tgttcatac 429

<210> 16366
<211> 407
<212> DNA
<213> Glycine max

<400> 16366

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cttctctaa atccccatgt aagaaagtag ttttaacgtg taactgctct aagtgaagat 120

tctcttacagc tacaatattt agactaactc tgatgatagt catctttaca actggagaga 180

agatctcttt gaaatcaatt ccttgtttct gctgaaaccc tttcaccata agtctcgcct 240

tgtatttttct tctaccatca tattctccct ttagcctata aacccactta ttctgtaaca 300

ctttctttcc ttctgacaat tcaattaaag accacgtctt attcttctga acggatgtca 360

tctcatctat cattgctagc tcccactcaa tagaatcatt ccccttc 407

<210> 16367
<211> 377
<212> DNA
<213> Glycine max

<400> 16367

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atgacaataa catcatttct ggcactaaat tgctgggagt ttgaagccgt cttctcaatt 120

aaatttctgg cttgagcagg ggtcatgtct ccaagggctc caccactggc agcatctatc 180

atacttctct caatgttact gagtccttca taaaaatatt ggagaagaag ctgctcagaa 240

atctggtggt gaaggcaact ggcacatagt tttttaaatc tctcccagta ttcatatagg 300

ctctttccac tgagttgcct aatgcctgaa atatcctttc tgatggcagt ggtcctagat 360

gtaggaaaga atttctc 377

<210> 16368
<211> 382
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 16368

taatcttatt ttgcaaatat tnacaataga cctcctgaac ctcagcagca aaatcaacca 60

cagcagagca attatgacct ttccagcaac agatacaacc ctggatggag gaatcaccct 120

aacattagat ggtccagccc tcagcaacaa caacaatagc ctgctccttc cttccaaaat 180

gctgttggcc caagcagacc atacattcct ccaccaatcc aacaatagca acaaccccag 240

atacaacaaa cagttgaggc ccctccacaa ccttccctcg aagaacttgt gagggcaactg 300

actatgcata acctgcagtt tcagcaagag accagagcct tcatttagag cttaaccaat 360

cagatgggac aattagctac cc 382

<210> 16369
<211> 294
<212> DNA
<213> Glycine max

<400> 16369

gatacccagc aggcacagaa tcacaaacca atacctgatg caagggtccg cgggttgtgc 60

accactactg accacaatac agaccggtgc cctttccatgc agcaaccagg aacaatagag 120

cagccagaag cataagctgc aaatataaac aatagacctg ctcaacctca gcagcaaaag 180

caaccacagc aaagcaatta tgacctctgc agcaacagat acaaccctgg acggaggaat 240

cacctcaacc tcagaagggc agccctcagc aacaacaaca acagcctgca ccat 294

<210> 16370
<211> 383
<212> DNA
<213> Glycine max

<400> 16370

ttcttgggtg atatggaatc tctgtaattt ggagaataaa attatatcag tagaaagaat 60

acttcaatat actagtattc cttgcgagcc tccccttgtt gtagaagaca atcggccaga 120

tccttcttgg ccctgtatg gtgaggttga catacaagat ttgcaggtag attgagttct 180

tatatttttt aaagttttgt acttttattt tctttcattt tgtggataat tgatttataa 240

aattcatgct aaggtttttt tttcctaaat ggttacaagc tagtatctga aacagaataa 300

ttgtgccaac atatttaata gcataatttt tacactatgt ttgtaatgat gtgttgccat 360

gatgaaggtt cgttatgctc cac 383

<210> 16371
<211> 420
<212> DNA
<213> Glycine max

<400> 16371

tctctcagca actttgactg caaaacttca caggagctac atggcttctt tgcaagtgac 60

tagataagct ttggcatctg agtctcagag aacaccaccc tcagtgcaaa atgcaacaac 120

ttccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt 180

gttgccacat aagagaccag aggaggagca agagtcagag gcaaataggg gtgtgaaaag 240

agttaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga 300

gcaaatgatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc 360

ccaggccctc taattgaatg tgcatgtttt tgagctgaat ttaaagtcac aattgtaggt 420

<210> 16372
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16372

ntgtataatc acatcagccc acaatttgta tgtttatgct ctctcaatga tgttagagga 60

agttcagcca aatatgggtt agcatatctg caagagggaa ttctttctga tatagctggt 120

gagaatatca aagtggataa tgagcacaaa ggaattccaa tcctgattag gaagttgcac 180

ggcaaaaggg ttcttttgat acttgataat gtggacaagc tggagcaatt ggagtattta 240

gcaggagaat gcaattggtt tggtttgggc agtagaatta tcataactag caggtgtaaa 300

gatgttctag ctgctcatgg agttgaaaat atatatgatg tacctacgtt aggatattat 360

caaagctgtgc aacttttaag ttccaaggta accacgggac ctgtacctga tta 413

<210> 16373
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16373

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aagttatggt cgtttgtatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat 120

gttatgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag 180

attcaacatt ctaatttcgag cgtctcgata tattacgggg ctcaatcaga catccgagtt 240

aaaagttatt gtcgtttgaa ttggcttaga gcttcaacag tcaatttcga gcgtctttgat 300

atgttactgc tcctgaatca gacatgcgag tgaaaagtta tgaccatttt aatttcttga 360

gagcttccgt tgttcaattt ctagcgtctc gatatgttat gtgtctgaat cggacatg 418

<210> 16374
<211> 381
<212> DNA
<213> Glycine max

<400> 16374

atcttgcgtt ttatttcaga cattcctttа tttgcgcagc ccaagtcagt atctagctcc 60

tctcgcatct ctgatagaag tgtcttctgt agatcttcca ggccattgat tttgttttgat 120

ttttctctaa cattggaaag aaaacttgcg gcatcaaagt ggttcacaat gttgttatac 180

aaagctgtgg caagttctgt ttttccgact ccagggagtc cccatacacc caacatgcgt 240

acagtttcat cataaggctt catgtctagg agtgacatta cctcttccat gcggggccaa 300

agtccaatag ggttctgacc agtatgtaaa ggattatgag ctatgtgttt atagaccttg 360

tcagctatct tttcaataaa t 381

<210> 16375
<211> 421
<212> DNA
<213> Glycine max

<400> 16375

tgcaagttgg taggggatga gaagaatagg ctgttgataa tgatgtatgg aatccgtaaa 60

ttgaagggga ttatggaggt ggagaagaga aagaatgatt ctgagaggaa ggaagacact 120

gaagcatgca agttacttgg agaagagaag aaaaaggttg ctgaaaagga aaaggaaatt 180

ggtagattga agggggtgat aaaggagaag aagagaaggg ttgattctga gaggaagaaa 240

gctactgaag cttgcaagtt actagaagaa gagaagaata aggctgccat aaaggggaag 300

attgccagaa ttgaagcaga gaaggcagtg aagtatagtt ttcagattgg tcaattagag 360

aaacaggtta atgaagcaaa aacaaagttg gtgtctgaga tttctacgtt tagagaggca 420

a 421

<210> 16376
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16376

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cctcaaatca aaagggccta caaratcttc aacaagagct tctatcagag atacttgggc 120

gcaacgatat tnagctaaaa aaaatgaaga aatcaataaa aaaatagact tgggttaaaa 180

agagttctaa tatttctaga cgatgttgat aacatcgaac agatggagaa tttggcaaag 240

gaatgtgatt agtttggtcc tagaagcatg ataatcataa caacaagaga tacacatttg 300

ctagatcttg ttggggtcga aaagagatat gaagtgaaag tgctaaacga ccaagaatct 360

ctggagttct tttgtaagag tgcctttaga aagagttgtc ctgaaacaaa ctacaaagat 420

<210> 16377
<211> 367
<212> DNA
<213> Glycine max

<400> 16377

ttcttgcatc cagctcacga atggatgatt aacttgaaga agtctaagaa ccaattatat 60

gtttgttgag gaaacatcat ccagagtctt gaatcattgg tgatcataag gaaaaagtcc 120

agacaaggaa ctctttcaag catacaactc tacttttcga gatcgggccg aaacgcatag 180

atgatgctat gtctaatgaa tactgggtca aagcaatgaa agataagttg gaccagtttc 240

agaagaatga tgtctagaag cttgtagaac ttcccaaagg catatatgct attggagcaa 300

agtgggtgtt cagaaacaag ctcgatgaaa tatgtaaggt tgtgagtgga acaaagctag 360

gcttgtg 367

<210> 16378

<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16378

nnaatattca atttcgaggg tctcgatata ttacgttcct ctatcaaaca tttnagtaaa 60

angttatggt cgtttgtatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat 120

gttatgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag 180

attcnacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240

naaagttatt gtcgtttgaa ttggcttana gcttcaacag tcaatttcga gcgtcttgat 300

atgttactgc tcctgaatca gacatgcgag tgaaaagtta tgaccatttt aatttcttga 360

gagcttccgt tgttcaattt ctagcgtctc gatatgttat gtgtctgaat cggacatgcg 420

<210> 16379
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16379

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tggtcataac ttttaactcg gatgtgcaat tcatgcgcat cacatataga gacgctaaaa 120

aatgaacaac ggaagctctc caaaagttaa aatggtcata agctttcaca ctgatgtccg 180

attcaggctt atattatatc gagacgctca aaattaaaca tcgaatgctc tcgagaaatt 240

caaatggtca naactcttca ctcggatgta cgaatcaagc gcatcacata taccgacgct 300

cgaaagtgaa caacggaagc tcccgaaaaa ttcaaatggt cataactnta cacactgagg 360

tccgattcaa gcatataata tatcg 385

<210> 16380
<211> 377
<212> DNA
<213> Glycine max

<400> 16380

ttctttttcct ctagctgttc tgataaggtt tccaaacgtt agaggaaggag aaaagattga 60

agcctttcatt ctactgcctg catgcaatga atatttctcc ctaacaagat caattttcaa 120

atcgcaacgg tgaaaatatg cagaaatgaa tttcgaacca ggtgtcccaa tttcacaatg 180

atccaacggt taatgagtct gggattatag ttttactagg acaggttttg ggtcttgca 240

ggaaaagaaa aagttaagat gagaagggaa tttctcttac ctccaactct gattcgcaat 300

ttcgatcggt gagaatactt gaatatgagc tgcaaatttg gtgctcaaat ttcacaacaa 360

tccaacgatt aatgagt 377

<210> 16381
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16381

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ttatgacttt ggcaagtatt atttggtact ccaaggtgtt ttttaccaag caatatacac 120

acacaactta ccttgcaaga ataacctatg agcaactgaa gttataaaaa tagcatgagc 180

tctctgccaa tttgcacact gaagaaattg gtcaagggct tttgagtgat ccccattata 240

attataataa attgcctgca ccgccataac aaaatcattc aaacaacaat aagagtcatt 300

taaagaataa tacaatactt tgcaacnatt ccagcattag caagcccatt aatcagtaaa 360

gaacaccatg acaacaattt aattcagttt agtcataaat tgatcata 408

<210> 16382
<211> 335
<212> DNA
<213> Glycine max

<400> 16382

tctttcttct gcaagccctg ttctatatgc tagattgaat agtggggagc ttgctcttcg 60

acttggtgct gatcatcctg ctggagatat gacattgttg gaaactggcg aacctgtgta 120

ttctccaatc actcaggttt gataaatatt ttttttttctg tataatcact atttaaaaat 180

actcttgtac ttgagaactt tgggactgtt tcatgtatga aggacctttg cttacagaaa 240

atctaatcat ggaaacagag gagtctgtac tacggacagg gaggtctgta tgcttaactga 300

gattcatcca tgacacaatc tgttatctta aatct 335

<210> 16383
<211> 357
<212> DNA
<213> Glycine max

<400> 16383

[illegible]gtagd acbcccaaa gtaagatcta ctcttggagc aaagtgggtg ttcaaaagct 60

agactaaata ggtaaggttg tgaggaacaa tgctagactt gtgaccaaag gttactcaca 120

ataggaaggt atacattata ttgaaacttt tgctcctgtt gctcatctag aggcaatatg 180

catatacta tcctttgttg ctcatcatgg tatgatgtgg tatcaaatag acgtaaaaag 240

aacttcttc aatggactta tcaagaagtt tatgtggaac aaccccctgc gtttgagagt 300

tctatctacc ctcatcatgt tttcaaaatt aataaagctt tgtatgtgtt aaagcaa 357

<210> 16384
<211> 376
<212> DNA
<213> Glycine max

<400> 16384

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atttccaaga gtcacatcta ttcaaatgtt ttatgaatgg ccatcaaaag tgacttggaa 120

acacgaattt aaagagagtt ttcattgccc aaacagtttt atgctctcaa aagattaaga 180

gtttttctga actgaaatgt cttatcctct caaaaagatt ccttggtcaa ccacttgcat 240

attcaataag gaattttgat tgatcttcat tgtacaatct atctctttta agagagattt 300

cttcttctct tcttcttatt tctgacacaa gatttaagag accgtgggtc tcttgttgta 360

gagaattctt gaacac 376

<210> 16385
<211> 364
<212> DNA
<213> Glycine max

<400> 16385

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gtgaaaagat atgaccattt gaattgctca agagcttcca ttgatcaatt tcgagcgtct 120

cgatatatta tgcgccataa tccgacctgc gagtaagaat ttatgaccct ttgaattgct 120

cgagagcatt cgttgatcaa tttcaagcgt ctagatatat tatgtgcctg aatcggacct 240

ccgagtggga acgtatgacc atttgaattt ctcgagagct tccattactt agttctagc 300

atcttgatgt attatgtgct ctaatcggac tttcgagtga aacgttttga cccattcgaa 360

tttc 364

<210> 16386
<211> 350
<212> DNA
<213> Glycine max

<400> 16386

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aattttttta gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120

cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180

cttgagcgtc tcgatatatt atgcgcctga gtcggacctc cgagtggcga gttatgaaca 240

tttgaatctc tcgagagctt ccgttgctca ttttcgaccg tcttcatata ttatactcct 300

gaatcggacc tccattgaaa agtttgacca tttgaattct ccagagcttc 350

<210> 16387
<211> 375
<212> DNA
<213> Glycine max

<400> 16387

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ctgggaaact cccagtgaac ggttctgcct ttcttacaac tgaacgatca tccatatcaa 120

gccttgctat aagttcacca gcctgcaaaa ggtgatacaa ttttattatc tttttcaatt 180

tcaacaattg tacttactat gtggaataga atgctatata cctgcattgc ttgaccttca 240

gacattttga aatgaataat cccataaaca tgcgaaagaa gaggcatgca catttttcatg 300

acctcaactt catcatacgg tgtgttcatca tcaacatgac tgtcatctgc aaccaaatat 360

ttcataagct tgcat 375

<210>	16388
<211>	378
<212>	DNA
<213>	Glycine max

<400>	16388

[illegible]agaag gttcgttcct aatttctcta ctatttcatc acctctcaat gagctggtga	60

[illegible]aatgt ggcnatttacc tgcgggtgaaa aacaagatca agcctttgct ttgctcagag	120

[illegible]ttag tatggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag	180

[illegible]gatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg cacgctattg	240

[illegible]tttag tgaaaaactt catagtgcca ccctcaacta ccccacctat gataaagagc	300

[illegible]gcctt aataagagcc cttcatactt gggaacatta cctttgtttc aaagaatttg	360

[illegible]catag agatcatc	378

<210>	16389
<211>	217
<212>	DNA
<213>	Glycine max

<400>	16389

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tcaaaagtta ttatcgtttg acttttctta gagctcccga gttcaatttc tagcgtctcg	120

atatattaaa gggctcaatc ggacatccga gttaaaagtt attgtcgtta gacttttctt	180

agagctttcg ttgtcaattt cgagcgtctt gatatat	217

<210>	16390
<211>	390
<212>	DNA
<213>	Glycine max

<220>	unsure at all n locations
<400>	16390

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tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca	120

gctttccaag ttctgctatc cagtgatttg aggaaggcca ccatttttgc tttccagtat	180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtcctccttc tttcnccatg	240

ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttgg ctctgatacc 300

aattgaaatt ctgataccag tggacagatg tcgtacagga tgtcacgaca tcacgcttca 360

aacatgcagt ttatgtgtgt ccgtatgaac 390

<210> 16391
<211> 360
<212> DNA
<213> Glycine max

<400> 16391

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cgttcagtct acgtctacga ctcagcgcgt caaatagttc cagagcgaac tccttagagt 120

cgttcatccc ttcaaaaaat taaacaaagc atacaaaact cttcaaacaa ggagtgaaaa 180

tgacaaaccg attaaatgca catgcgaaac gcaagaatct gaactgaaat ttgaaaagga 240

atcgtaccta tgcattgcgc aaaatcagtg cgagaaagat aaccgtcctt ggcaagacta 300

tagaaattgc tgtgcacctc gttccacgcg ttagcgccat tggatttact 350

<210> 16392
<211> 409
<212> DNA
<213> Glycine max

<400> 16392

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atatcaaatt ctatctatcc tttcgtttgt tatcaatctt atacacacaa tgacatatca 120

aattatacca tggtaatttt gataattatt atactatttt tatatacgag ggaagatcaa 180

attataccag tataattttg ataattatta cactattttt atatacgaga ataaatcaaa 240

tcataccgat ataactttga taactattgc attatttttа taacttgata tataatgtaa 300

ttttttattga tataactgtt aagttatatt cacatattat caagattgtc cgtattatat 360

tttgtcaaaa ttgaacaaca agaaagtaat cacattatct atatgttaa 409

<210> 16393
<211> 314
<212> DNA
<213> Glycine max

<400> 16393

atcttgtctt ttcctttgat atattagagg gactcatgct cactatgaat gacaaatcac 60

ttgggataaa agtaatgttg ccatgatacc aaagcccgta ctaaggcata caacacctta 120

[illegible] 180

tgaccttctt gcatcacaac agcccaaatc ccaacatttg aagcatcaca ctcaatttca 240

aactatattg aaagttcggc aaagcaagta tgggggcatt atcaaactct tgcttataaa 300

cattgaaagc ttct 314

<210> 16394
<211> 298
<212> DNA
<213> Glycine max

<400> 16394

nagggttaaaa accaccccta accctatgcc ttttatttttg caatggtcga atgacaatgg 60

tgaattggtt gtggataaac aagcatcact tacattcttc ataggaaaat atgttgacga 120

tgtgcttcgt gatatggttc ccattgaaga ctaacatgtg ttgcttgtac gaccttgtca 180

tnatgataga gatgctgttc acaatggggt caccaatcaa tattctgtct tccataaatg 240

taaaaaggtt gttctctcac ctttgcctcc aatgaggtgt gtgaggatca tctaaccc 298

<210> 16395
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16395

tttctntttc tgaaagatag aaatttgaaa tttgaaattt gaaagctgtt atcgattacc 60

acttgtatgt aaatgattac cagtaacgga actaaaaaaa ttcaaattga aaaggcatga 120

cttctcatta cataactgtg taatcgatta ccaaagaagt gtaatcgatt accagtgagg 180

aaattataaa agttactctg aaaagtcaca tcccttcata agttttcgaa aaaccaccaa 240

gggcctatta atatgtgact tatctatgat agttttgaga agtttttcaa aaccttattg 300

ncttatcctc tcaaaaacaa atcattgccc aaaca 335

<210> 16396
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16396

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attaacaaac gacngtttgc ccatcggtat gaggntgacc agttgttgaa ntaacnnatt 120

tagtgcccaa cttgctccac aaagtcctcc ataaatggct gacgaacttg gagtccctat 180

aactnacaat gctccttggc aaaccatgga gtcttcacaat ctccgtgaaa acaaatcagg 240

cacatgggaa gccataataa cttgtttaca tggaataaaa tgagccaatt ctaaaaacct 300

atc 303

<210> 16397
<211> 367
<212> DNA
<213> Glycine max

<400> 16397

atcttgtaat cgattacaca agtcttgtga tcgattacta gaggagattt tcaaaaaata 60

atttccaaga gtcacatctg ttcaaatggt ttttgaatgg ccatcaaagg tctatttgta 120

tgtgacttgg aacacaaatc tgcttagatt ttttcagaac aaaaaggtct tatcctctca 180

aaagcaaaat tatcttatcc tcttaaaaat tccttggaca atacacttgc gattcaataa 240

ggaattattt tgagttctcc attgttcaat ctatctcttt caagagagat ttcttcttct 300

cttcatctta tttctaaaaa gggattaaga gatcgaggat ctcttattgt aaagcaatct 360

gaacaca 367

<210> 16398
<211> 369
<212> DNA
<213> Glycine max

<400> 16398

ttctatcctt gcccccttgat atatcagagg gagctttgtg aactatgaat gacccattcc 60

ttgtgaatta ggaaatgtgg ccatgctcac aaagccccaa ctaatgcata gatcttctta 120

tcataagtta aataggtgag ggtgggacca ctcaactctc cactaaaatg agcaattgga 180

tgggctctct gcatcaacac aaccccaatc ccgacatttg aagcatcgaa ctcgattacg 240

aaaaatcctt gaaagattcg cgacgcaagt atgggggcaa taattaacat gttgcttaac 300

aacattgaaa gctttttcct gtttatgtcc ccaatttgaa 339

<210> 16398
<211> 368
<212> DNA
<213> Glycine max

<400> 16398

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tatacctcct attttcaatg gagtgggtta ccattactgg aaaacccgta tgcaaatttt 120

tatagatgca atagatttaa atgtttggga tgcaatagaa gtatggcgct atattcccac 180

tatggtggct ggaatttaaa ccatagaaaa gcctaaggaa gaatggactg aagatgaaaa 240

gagattactg caatacaaca tagaagacac aaatataatt acgtatgcct tacgaatgga 300

tgagtactct aaggtatcaa attgtaaaag tgctaaagaa atgtgggata ccctacaacg 360

tacacatg 368

<210> 16400
<211> 402
<212> DNA
<213> Glycine max

<400> 16400

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tatgaatgcc aaatatggat ggagtgacaa aagcttcact atattgctta atgtaatgca 120

acgtatgctt ccagaataaa acagatcgcc aaatagttac tatggggcaa agaagatact 180

gtgtccgatg agtatggagt attagaaaat tcatgcatgc cttaatgatt gcatgctgta 240

caaagatgag tttgaagata tgcataaatg ccctatgtgt gctgtatcac agtacaaagt 300

gatagatgat acaaatatag cagtgatgaa agcatatacg aagacccccc tatgaagatg 360

tgatggtatc ttcctatcat tccaaggtgt aagcatctat tt 402

<210> 16401

<211> 377
<212> DNA
<213> Glycine max

<400> 16401

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

atattggtgt aacatag 377

<210> 16402
<211> 380
<212> DNA
<213> Glycine max

<400> 16402

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tgctgcccaa gtttcacggt cttgtaggtg aagatcctca taagcatctt aaggagttcc 120

ttattatctg ttccaccatg aagccccctg atgtccagga agatcatatc tttctaaaag 180

attttcctca ttctctggag ggagtggcaa aagattggtt gtactacctt tctcccagat 240

ccatctccaa ctgggatgac cttaagaggg tgttcttgga gaaattcttc cctacatcta 300

ggaccacgac catcagaaaa aacatttcag gcatcatgca acttattgga gagagcttgt 360

atgagtactg tgaaagattc 380

<210> 16403
<211> 393
<212> DNA
<213> Glycine max

<400> 16403

[illegible] 60

[illegible] 120

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gggtcaacat gatgactctg ggaaaaagga acaagccatt tactacctaa gcaagaagtt 300

tacgcatgt gagatgaatt acacaatgct ggaaaggacg tgctgcgccc tgttatatgc 360

ttcacatcgt cttatgcagt acatgcttag tca 393

<210> 16404
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16404

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gctatttgtg aataactttt tcaaatcata taatataacc ttcagtatcc atatccgtgc 120

atgtcttttcg gaaaagagaa ataatatgcg cgcggacaca ttcatatatg aataaatcgt 180

caactttgtc cccgtgtgaa atatcgacga attagttcta aattttaaat ttaattatta 240

aatatgaaaa atgtaataaa ttaattatac aggtcattta atgataaatt aatctggtta 300

aattaatctt aaaaaatatt acttattctc aaattggtct ttaaatatta taacaaaata 360

ataaaattat ctaacaaaat taacaataaa attaatttt 399

<210> 16405
<211> 375
<212> DNA
<213> Glycine max

<400> 16405

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acggcaaccc ttgtcatgag aagaacaaag aagaagaaca gcattgtgtg gatattccat 120

gcacacagaa catgtaacat cttcccactc tttctttcc aaagccttag aacatttgtt 180

ttggcagagg tcctcacaaa tgtccctttt gcaagaagcc agtgggtatg gagtcactct 240

gaattgacga gaagcaatcc tgtgtcttcc cctgctacct tttgccattt ccgatattcc 300

aacagaatct ggaatttaaa ctgtcaaaat gttatcaagg aatctaaatg aaatgcattc 360

atatatttct tatgt 375

<210> 16406
<211> 377
<212> DNA
<213> Glycine max

<400> 16406

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tagttcagac cattgatatg aatcaagaca attattttga ggaggctctc aaaatgcgga 120

atctgttgga ggagttcaat atgtcctacg gtattaagaa accaaccatt ttgggggtcc 180

tagaaaatat cttcacggga tctgtttcct cacttgcatg gttcatgtca gctcaagaga 240

caaggttttgt gacactgggt cagcgagttc tggcaaaccc tttgaaagta cgaatgcact 300

atggtcatcc ggacgtgttt gacagattct ggttcttggg tcggggtgga gtcagcaagg 360

cctctagagt gattaat 377

<210> 16407
<211> 377
<212> DNA
<213> Glycine max

<400> 16407

agcttatgct acaaacattt ataatagacc ccctcaacaa caaaaccaac aacaacagaa 60

taattatgat ctttcaagca atagatacaa tccaggttgg agaaatcatc caaatctgag 120

atgggcaagt cctccacaac tacaacatcc tgcccctcct ttccaaaatg ttgttggtcc 180

aagcaagcca tatgttcctc ctccaataca gcaacaacaa caacagtagc agcagtcaca 240

acaaagacaa caagcaacga ggctcctcct caaccttcct tataagagtt agtgaggcaa 300

atgaccatcc agaatatgca attttatcaa gagacaagat cctccattca gagtttgaca 360

aatcagatgg ggcagat 377

<210> 16408
<211> 481
<212> DNA
<213> Glycine max

<400> 16408

gtggagtttc caagtgccaa ttcgtcctct tctttttttct attcttcttc tggcttcaat 60

tcatcagtgg gttttccttc tgtgtccagc atcttgggat gttcctagcc tttgatgaca 120

gttttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtccgtcttc tttctccatg 240

ttcatcagaa tttatcttcc ctagatcttac tctgtgattt cgagtgttgg cttgataacc 300

aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca 360

taacatgcat attgtatgtg tccgtatgaa cagattgaac aagtttataa cacaacgaga 420

attgtttacc c 431

<210> 16409
<211> 374
<212> DNA
<213> Glycine max

<400> 16409

ttgtcttcag aattcaattt ctagcgtctc aatagattac gggactcaat cagacatccg 60

agcaaaacgt tattgtcgtt tggattagtt cagagcttca gaattcaatt tcgatcgtct 120

cgatatatta cgggtctcaa tcaaacatct gaggaaaaaa gttattgtcg tttgaatttg 180

ctgagagctt caacattcaa ttttgagcgt ctcgatgtat tacgggactt tatcagacat 240

ccgagttaaa agttattggt ggttgaattt actgagagct tcaacattca atttcgagcg 300

tctcgatatt ttacgggact caatcagaca tccgagtgaa aagttattgt ccgttgaatt 360

agctcagaga ttca 374

<210> 16410
<211> 425
<212> DNA
<213> Glycine max

<400> 16410

tcagcttgag ctattcaacg acaatacgtt tgctctgtgt atgattgagt cccgtaatgt 60

gttgagacgc ttgaaattga attttgaagc tgagagctaa ttcaaacgac aataacttct 120

tactcggatg tctgattgag tcccgtaata catcgagacg ctcgaaattg aatgttgaag 180

ctctcaacaa attcaaacga caataacttt tttcctcaga tatctgattg agacccgtaa 240

tatatcgaga tgatcgaaat tgaattcttga agctctgagc taattcaaac gacaataatg 300

atttgctcgg atgtctgatt gagtcccgta atacatcgag acgcttgaaa ttgaatgtcg 360

aagctctcag caaattcaaa cgacaataac tttttgctcg gatgttttgat tgaggcttgt 420

aatct 425

<210> 16411
<211> 376
<212> DNA
<213> Glycine max

<400> 16411

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tttaatttat taatgaaatc tggatgaact ctgtcggttc tgaaggcctt ccaacaaagc 120

aattcgagag cttcaccatt ggccaaaact tccacctcgt ataccttgtc aacccccatgg 180

gctttaagca aatgtctgtc tctagtggta atgatgactc tgttgccagg gccaaatcaa 240

tcaagacttc caacaagagc tcgcaagtca tctatctcac agacatcgtc aagaaccaaa 300

agaagcctct tcctggggag catctttctt attagtgaaa ctccttgctc gacacttgtc 360

agacgaatat tgttct 376

<210> 16412
<211> 325
<212> DNA
<213> Glycine max

<400> 16412

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cacaatggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120

gaagatgtcc atattgcagc tattggccac ataattccaa aatctgaaga tgaaggacga 180

agagttgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gggagaaagg atgacatatg aatagctggc gagaaagatc ctcagatgct tgcctaagag 300

atttgacatg aaagtcactg caatc 325

<210> 16413
<211> 416
<212> DNA
<213> Glycine max

<400> 16413

gtaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa ggaaagctgg 60

agttgctgca caagatgtcc aacgttatgt ctaagaataa gatcgggctg cacaatgcac 120

aaggaaagat aaaattgttaa atgaagaatt gaaggctgtag gatttacttat gtctgatacta 180

atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat 240

cgacgatgtc agatacaatg tccaggacat cttgcccgaa aatactggag ttgctaaaag 300

aattgaagtt gcaggatcca cgatgtcgga tacgatgtcc attacatctt gcccgaaaat 360

actgtacata taaatctgtt atatctttaa cagattattg tgcagttagc aagaga 416

<210> 16414
<211> 430
<212> DNA
<213> Glycine max

<400> 16414

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gtcttaatat cactgtcttc gtgcgagggg aatttctctc tctacagaca ttattttgca 120

aatcccaaca gtgagaatct gcgaaaatga gtttcgaagg tggtacccaa attttaggac 180

aatctaacgg ttaatgagtt tgagatcgta attttactgg gataaatttg ggtgtatgcg 240

agaaaaaggg agggttttgg gagaggatag agagaatgaa tttgggagga aggaggagtg 300

taaagacata tcgtaattgt aaaaattgac ctaatctgtc tctatttata gctagggtat 360

tctgagacga ttatttttt ttttttttat aaaaatgaac tctattttac tctttcataa 420

aataaataac 430

<210> 16415
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16415

tttctttaag ttgnaataat tctgaaaagt ggttaaatgc catgaaagaa gagataaatt 60

ccatggaaca taatggtgtt taggacattg tagaattacc aaaggattgt aaagagagtg 120

gttgtaagtg ggtcttcaag actaaacgta actctcatgg caaccttgaa cattacaagg 180

ctagacttgt tgctaaggga tttactcaga aagatgacat tgattataaa gagacctttt 240

caccggcctc acaaaaggat tctttcatga ttatcatggc attaatagcc cattatgact 300

tggagctaca ttagatggat gtgaaaactg ccttcttaaa tggagattta aagaatgttt 360

gtatggacca tccaatgggg 380

<210> 16416
<211> 426
<212> DNA
<213> Glycine max

<223> insure at all n locations
<400> 16416

cctatggact gagcaaaaag gctcaagtca tcaaatacta ctcatctttt aaagcacaaa 60

gcgaggattg gaacctcaac cctatgttct tttaaaagac tgcaatgaga aaattacaga 120

ggataggaat ccctgtggga aaccaagaag aatacacaaa aataaaaaca tgcagcgact 180

tcctttaattg ccccaaatct taagcgtagt atcgcttgac aacgtcggag ttcacgggtg 240

aagatagctc ctcgttatcc atgttggcga gcaccagggc ccctctagag aaatcccttt 300

ttacaatgaa aggaccttcg tagttcgggg cccactttcc catatgtctt ccagagcttg 360

ggagactttc ttcagcacca agtccccttc gctaaacctg cgcangcgta ccttcttgtc 420

agaagc 426

<210> 16417
<211> 383
<212> DNA
<213> Glycine max

<400> 16417

agctttggtc ctattcaaat agccataact tttgacatgg gggtacgatt gaggcccatg 60

atatatcgag aggctcgaaa ttgaaaaatg gaagttctcg agaaattcaa atggtcataa 120

cttttaactt ggatgtccga ttcacgcaca taatatatcg agacacacaa aattgaaaaa 180

tggaatttct gagaaatttca aatgttcata acttttgcct cgaatgtcag atttaggcac 240

ataatatatc gagacgctcg aaattaaaca agaaaactct ggtccaattc aaacggccat 300

aacttttgac atgagtgtat gattgaggcc catgatatat agagacgctc gaaattgaat 360

aatggaagtt ctcgagaaat taa 383

<210> 16418
<211> 414
<212> DNA
<213> Glycine max

<400> 16418

agcttcaacc agggagatg gaccatttca agtgcttgaa agaatctttg acaatgctta 60

caaagttgag ctgtccggtg agtataatgt tagttccacc ttcaatgtct ctgatttacc 120

tgttttgat gcacatggag aattcgattt gaggacaaat cctttcatg agggagagaa 180

tgatgaggac atgaccaaca gcaagggcaa ggatccactt gaaggacttg gaggacctat 240

gacaagggct agagcaagga aagccaagga agctcttcaa caagtgctgt ccatactatt 300

tgaatacaag tccaagtttc aaggagaaaa gtccaaggtt gtgagttgta tcatggccca 360

aatggaggag gactaaatga caccactttg gttcaatttt agagtgttta ctta 414

<210> 16419
<211> 425
<212> DNA
<213> Glycine max

<400> 16419

tatgctgcaa acatctacaa tagacctcct catcctttca gcaaaatcaa ccacagtaga 60

ataattatga cctctccagc aacagataca atcccagatg gaggaatcac ctgttagaca 120

aatggcctaa gttatcttaa gaaggggggg ttgaattaag ataacaagaa ctattcccca 180

attaaaattt tactctctct ttttagatta acaatgcacc cttaacatga attactcaaa 240

agacaattca aaataaactt ctttcaagcc aaagataaat agcaataaat aaaagaagtt 300

taagggaaga gagaaatgca aacttgattt ataccagttc ggtcacttcc tgtgcctacg 360

tccagtcctc aagcaaccca cttgagattt tccactctct ttgtaaaatc cttttacaaa 420

gtctg 425

<210> 16420
<211> 429
<212> DNA
<213> Glycine max

<400> 16420

taacaatcct tgtgatctat tacaggatat ttctattcct atcacatagc ttgcatcact 60

tatatccttc atttcaaagt tactagaaag aaacttctta gtctcatgaa gaagatcaag 120

atcattagtt gcaacaatat atcatcaacc tacaggattta gaaaatacca ttactcccac 180

tgacctttag atatatacac cgatcaacag tattttcctt aaatccdaag gaaacaatgg 240

tatcatttaa cttcaaatac cattggcgag aagcttgctt aaaaccatat attgattttt 300

ttaatttgca caccatatgt tccttttccc caactgagaa ccccattggt tgatccatat 360

aaacatttct ctctaaatct ccattaagaa aggcaatttt cacatccatc tgatgtagct 420

ccaagtcat 429

<210> 16421
<211> 453
<212> DNA
<213> Glycine max

<400> 16421

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tggtgacaac aacaaaggta gaaagaattc ttggagttgg aaaaacaggt acaaatttatt 120

caaactccat tgaaaatgtt ctacttgttg aaggccttaa gcacaacttg cttagtgtta 180

gtcaattatg tgataaaggc tatctagtat catttgattc tcaaaaatgt ctcattgaac 240

ataaacatga tactaatata aaacatatag ggtatagagt caacaatgtt tatatgatag 300

acataagcca aaaattagat aataataaat ttttttcttag caaagatgat gatccatggc 360

tatggcataa acgtattgct cacataaaca tgaaacactt aaataaatta atttcaaaag 420

atttagttgt tggtttgcct aaattgaaat ttg 453

<210> 16422
<211> 381
<212> DNA
<213> Glycine max

<400> 16422

agcttgaagg caaactggat gcgttggtca acttggtaac ccaactggcc ttgaatcaga 60

aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaaacttat gctgcaaata 180

tttacaatag aattcctcaa cctcagcagc aaaatcaacc acaggagagc aattatgacc 240

tttctagcaa cagatacaac cctggatgga ggaatcaccc tagccttaga tggtccagcc 300

ctcagcaaca aaaacagcag cctgcttctt ccttccaaaa tgctgctggc cuaagcaaac 360

catacattcc ttcaccaatc c 381

<210> 16423
<211> 423
<212> DNA
<213> Glycine max

<400> 16423

atggcccccc ggattcagaa caaaaccccc accatggatg cagagacggg aagcaaactc 60

ttgaggatca atcttcatcc tcgtaaatct ggaataggta ggcagtgtct cacccttctc 120

tAAaactatt ggggtttcaa agaaggtatt taggctgtca gcatcaatct tgattaagtg 180

tcctgatgca atcctaccca gcaagggcat tggatagaaa actccaagta gattgggcca 240

aagatgcaag agaaggccct agggttctta tgagccttaa ggtagatttc gggcccatgg 300

gctaagtatg agcccactta tctttgtaaa tattagatta aggtttcatt atttttgggc 360

cttgtattta gggctccata atgtaagtag ggtaccctag aaatatagga tgtttcagcc 420

ctt 423

<210> 16424
<211> 380
<212> DNA
<213> Glycine max

<400> 16424

agcttgtatc aaattcaaac gacaataacg ttttactcgg atgtttgatt gcgtctcgta 60

atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120

tttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180

gaagttctga ccaaattcaa acgactataa cttttttactc ggatgtctga ttgagtcccg 240

taatatattg aggagcacga aattgaagaac agaagctctg accataatca aaccaaaata 300

actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360

cagaagctct gaacaaattc 380

<210> 16425
<211> 430
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16425

nttgagccaa nncaaacgac aatnactgtn tactcgaatg tctgattgag tcccataata 60

natcgagacg gtcgaaattg aatgttgaat ctctgagcaa attcaaacga caatagcttt 120

ttactcggac gtntgattga gtcccgtaac atattgagac gctcgaaatt gaatgttgaa 180

cctccgagac aattcaaacg acaataactt tttacgcgga tgtctgattg attcccgtaa 240

tatatcgaga cctccgaaat tgaatgttga agcccgagc caattcaaac gacaataaat 300

ttttactcgg atgttctgatt gagtccccgt aatatagcga gacgctcaaa atggaatgtt 360

gaacctttga gccaattcaa acgacaataa ccgttttact cggatgtctg atggagtccc 420

gtactatatc 430

<210> 16426
<211> 352
<212> DNA
<213> Glycine max

<400> 16426

agcttattct gcaaacatta ctaatacacc tcctctacag caaaaccaat aattgcataa 60

taattatgac ctttcaagca atagatacaa tccaggttgg aggaatcatc caaatctgag 120

atggacaagt cctccacaac aacaacagat tgtgcctctt ttttagaatg ctgtctagac 180

aagcatgcca tatgttgctc ctccactaca gcagcagtca catcaaagac aacaagcaac 240

tgaggctcct cctcaacctt tcttagaaga gttagtgagg caaatgacca tacagaatat 300

gcagttttcag caagagacaa gagtcttcat tcagagtctg acgaatcaca tg 352

<210> 16427
<211> 424
<212> DNA
<213> Glycine max

<400> 16427

tgatcctgtt gtaagagggt aaaaagtgaa agttaatctg ttgcaccaac aaagttcttc 60

aaggaccaga aaaaaggtac catatgattg aaatcttgct gtagcattga tcaactcatc 120

tagaacgttt agatcgtatt tccaaaacca ttatattaaa gtgataattg atcatcccat 180

tcaatgagta aaggaggaaat ctaagcttac aagtacaatg gtagcgtgga tagtcgaact 240

tttgagttc ggttgaaat ttgagccaag aggtgccatc aaagggtaat attggtcgga 300

cttcatggac gagctacttc ccaatgaagg ctacaacgaa cgttagtgga cattatacat 360

tgatggaact tctaacaaca atagtactgg tgttggggtt actctgatag gaccagatgc 420

catc 424

<210> 16428
<211> 369
<212> DNA
<213> Glycine max

<400> 16428

tgcttgtgtc tacaccgctt tgcactggat aacttttttct ttaattattt tttttatata 60

gaagtgttta actggaatta gaatatttga tgtataatgt ttggattttc tttgtataag 120

tattgagaac tctgtttggt tatgattatc aggcaagcaa aggatgttgt taaaggtata 180

aagaagcgga ttggaagtaa aaattcaaaa gttcaacttc ttgcactaac tgtaagcaag 240

agtgttgtaa tacaaccttt tttctcttaa actctgttga tggcattgat ctaaattctt 300

tttgtatcta agcatgtttg cttcaattgc accattttga ccttctaaac tttacattct 360

tgactgatt 369

<210> 16429
<211> 374
<212> DNA
<213> Glycine max

<400> 16429

agcttgagtc ctttaagctt agaaactata tgagacattt ccatgatgta ctctctaatt 60

ttttttcccgt tatactttat ggaaatcaag tggtgtagca atgtacttgt ttttgccttta 120

tcgctttttt caaagcattt ctctagtttta tcaaggaaat ccttagcatt ggtgatccct 180

tcggtcattg cacccttaa ggattttgga atgccacact acaatcttgg tttttatatt 240

ttgttgaaca aatggtctca gttatcttaa gaaggggggg ttgaattaag ataacaagaa 300

ttattcccca attaaaattt cactctctct ttttggatta acaatgcacc ttcaacatga 360

attactcata agac 374

<210> 16430
<211> 433
<212> DNA
<213> Glycine max

<400> 16430

cagcttgcca ccataggaag ccatggataa gagcttgatg gtatgagaag atgaattgag 60

ggagagggga agaaggagca cgaaattttg tgcctcaaaa gaggtttgaa ctttgaattt 120

taattttcaa atgattaaag ttcaaaaaaa ggtacacaca tgacctctat ttatagccta 180

agtgtcacac aaaattcgag ggatatttga attttacttg gatttgaaat taaatttgtt 240

gagccaaatt ttggaaccaa aatttcacta attatgatta gtgaatttta gttatggttc 300

agtccactaa tccaagatca agtccaagat tttccactaa gtgtgcttag gtgtcatgag 360

gcatgtaaag catgaaggac atgcacatag tgtgactata tgatgtggca atggggtgta 420

gcaagcaaat gtt 433

<210> 16431
<211> 414
<212> DNA
<213> Glycine max

<400> 16431

ttagatcta tttcattcca gtgtgaattc accgatggtc ttacatgcct atcaattttt 60

atttggttag tcttcgaacc acatcatact ttgagagagg tatgctctga tatccacaaa 120

cctaatcaca cataatgtct ggttgctttt aggattgttg gttgttccca taaattaata 180

taagactttt tggtatgttt tgtccacact tactaaaaaa acttctcaga aggtcaccca 240

tcccataatt actttaagct aaccatgttt gactatagag ttcttaagtg atggattacc 300

gaaaaatata ttcatctcgt tagtataggt aatactaatt aatttctaag ttatcctcaa 360

ttgtgcagtt tcatacttac accatcttta gatcttctt attctgaggt gcat 414

<210> 16432
<211> 375
<212> DNA
<213> Glycine max

<400> 16432

tagctttatg catatggaat gaaaatataa caaatgacat gtatctcatg tcdaaaaatt 60

tttacactt ctttttaaga atttcctatt gacaatttaa agtaaaatta tcaattacga 120

aattctccat tgagtcagtt caatggtcac attcatatgc acataatttа tatatgtaaa 180

ttaataaatg agatctatta atgttcattc aatgaatact atcacatatg tcaatctatc 240

caaattatta atgtcatatt cataataatc ttaggatcaa gaacaattaa aattaaaatt 300

atgagagact ttttttcat tttcataatc tctattatga taacaaatct ttaattttaa 360

tcaaggacct tatca 375

<210> 16433
<211> 380
<212> DNA
<213> Glycine max

<400> 16433

agcttttctt ttagcaaagc aaaggcttgc tcttgttttt cacccaggt aaatgccaca 60

ttcttcttca ctagctcatt gagaggtgat gcaattgtag agaaattagg aacgaacctt 120

ctatagaagc ttgccaaccc atggaagctc ctaatatctc tcacactttt tagggtgggc 180

cattcttgga tggccttgat tttctcaggg tccacttgga ccccatttct accaactaca 240

aaccctaaga aaaatatatt atctacacaa aaagtacact tctctatatt tgcatatagg 300

gtatttttcc taaggactga aagaacttgc ctgagatgtc ctaagtgatc atctaggctc 360

ctactataca ctaaaatatc 380

<210> 16434
<211> 380
<212> DNA
<213> Glycine max

<400> 16434

agcttatgct gcaaatattt acaatagacc tccttcaacct cagcagcaaa atcaaccaca 60

gcagaacaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120

cctcagatgg tctagccctc agcaacaaca gcagcctgct ccttccttcc aaaatgctgc 180

tggcccaagc agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca 240

gtccaacagtt gaggcccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgaccat 300

gtcagtacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcaaat 360

ctgaaaaattg gctacccaat tga 383

<210> 16435
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16436

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gtggccaagg atgcttggga gatcctaaaa atcactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180

tgcattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaagatga cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360

ctcattggtt cccttcaaac ctttgagcta tgactctcgg atagggctga naagaagagc 420

atgaatctg 429

<210> 16436
<211> 376
<212> DNA
<213> Glycine max

<400> 16436

ttgtctttca agtttttaag ttcttcctca gaactgtcct aagcaaagtt cccaaagtcc 60

tattaacaac ttccgtttgc ccatctgttt gtgggtgaca agtggttgaa aataacaatt 120

tagtgcccaa cttgctccac aaagtcctcc aaaaatggct tatgaacttа tagtccctat 180

cactaacaat gctccttggc aaaacatgga gtcttcacaat ctccttgaaa aacaaatcag 240

ccacatggga agcatcatta actttttac atggaataaa atgagccatt ttatgaaacc 300

tatcaacaac cacaaaaatg gaatctctac cattgcttgt ttttggcagc cccataacaa 360

aatccatgga ttaatc 376

<210> 16437
<211> 417
<212> DNA
<213> Glycine max

<400> 16437

gtgagcaaat tcaaacgaca ataactttta actcggatgt ccgaataagt cccgtaatat 60

atcgagacgc tcgtaattga aaactgaagc tctgagcaaa ttcaaacgac attaacattt 120

gactcggatg tccgattgcg tcccgtagga tatcgagacg ctccaaattc aaaacggaag 180

ctttgagaaa aatctaacga taataacttt taactcggat gtctgatcga gccctgtaat 240

atatcaagat gctcgaaatt gaaaacggag gctctaagaa aagtcaaacg acaataactt 300

ttgacttgga tgtccgattg tgtcccgtag gatatcgaga tgctcgtaat tgaaaacgga 360

agctcggaga ataatcaaac gacaataact cgaaattctg ataccagggg acagatg 417

<210> 16438
<211> 398
<212> DNA
<213> Glycine max

<400> 16438

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gatattcaaa atggtcataa cttttaactc ggaggtccga ttcaggcgca tcacatatat 120

atacgctcga gattgaacaa cataatctct cgacatatac atatagtggt aacttttaac 180

tcggaggtcc tatttatgca catcatatgt cgagacactc gaaatcgaac aatggaatct 240

cttgagctat tcaaaatggtc ttaacttttg actcagaggt ccgatgcaag cgtgtaatat 300

atcgagacgc tcggaattgc gcaaccgaag ctactgtgaa ttgaaaatgg ccgttacttt 360

tcacttggag gtccgatata cgcgcataca tatttaga 398

<210> 16439
<211> 378
<212> DNA
<213> Glycine max

<400> 16439

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gcaagagcct cgcttttgtc ggccgcccca caatttctgt catactgaca ctggagtcac 120

ttgacattcg gagatacccc agtggttgtc cgcacttcca taaacattct ttgctatct 180

gtaggacaga aagcctgata gcatgcagag actaacatcg tcttctgcac ccttcgtcaa 240

tcgcgggccc acaaagcccgt tgacatgcgg agatttacgt catcttccgc gctcacaaga 300

tctgtcatac tgacatttga gtcacgctga cggacggaaa tacccgagtg gttatccgtc 360

taaacattct ttgctat 378

<210> 16440
<211> 382
<212> DNA
<213> Glycine max

<400> 16440

agcttgacgt ttatctcaaa attgcaaaga catgaccttg tgagaggttt accaaggatg 60

tcatacaaag atgaaacaaa ttaaaacctc tttttcaagc aaaaactttg tttcctcaag 120

accacttgaa ctattacata ttgatctgtt tggctacaat gaatgactac attagatgga 180

catgggtaat gttccttgct cataagaatg agtcctttga ggtattcttt aaattttata 240

aaagagctta aaatgaaaaa aaagtatgcg ttacttcaat tagaagtgat catggtggag 300

agtttgaaaa tgagaacttt cgtctattct atgaagaaaa tggaactttt cataatttct 360

tcatgtcata cctaatttc at 382

<210> 16441
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16441

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ttatgaccag aagtggtaca gcaaaccact gagaaagtta agttaattca ggaaaggatg 120

aaaactattc agagtagcca gaaaagttat catgataaga agagggaaga tctggaattc 180

aaggttggtg atcatgtatt cttgaaagtc actccgtgga ctggggttgg tcgagcattg 240

aaatctcgaa aattcacacc tcgcttaatt ggtcctttcc aaattcttaa gagagttggc 300

cctgtggcat actaaattgc attacccctg tctctttcta atcttcacaa tgtctttcat 360

atgtcttaac tttataagta tatctgtgat ccatcccatg tgattgaatt ggatgatgta 420

taagtga 427

<210> 16442
<211> 376
<212> DNA
<213> Glycine max

<400> 16442

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gatatcttaa gaaggggggg ttgaattaag atattccaaa ctttttttcc ctaattaaaa 120

attatatctta ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaatatta 180

attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240

aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300

tccccaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360

cacacaagga caaccc 376

<210> 16443
<211> 431
<212> DNA
<213> Glycine max

<400> 16443

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ctaacaacat cccaaaatgt tcaccaatat cagattcagg aacctgtatt gtgtttaact 120

gagaagaatc tatggacgac actaaaaccg caatagtgca atttatcttc aagcagtcat 180

ccttgagaaa atttgacgtc tcaaggtgtc tccgtttgaa aaaccgcgta tagccccctat 240

tacgcaacaa gtgcatcatt gatcactata tacgtaatgt acaccacaaa aaatggatac 300

aagagctaat aaatcatgat gatatccaaa tcatatcacc aaaatcacaa ggttctctag 360

ttcctttgga aatttaattt ttatgtctta tattctaata aaagagctat ctctttaacc 420

cctgacaata g 431

<210> 16444
<211> 417
<212> DNA
<213> Glycine max

<400> 16444

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 417

<210> 16445
<211> 360
<212> DNA
<213> Glycine max

<400> 16445

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gaaattgaga cgaaaattaa gtatcatttc agaattcaac acataaaata cttttatatg 120

cactctttag tttaattatt tattaaccct tttaaattga aaataatagt aggttaattg 180

taatattata caacattatt gtgtcaatgt aaatattaat attgggggaa gtgtatatga 240

ttcatgaggt gtgataacat gttgcgctaa gattataaca ctgtgattga gaatgagtga 300

atgtgataaa cgaataatgt ttgaatcgga agatatatgt gtactgagat tttatatgca 360

<210> 16446
<211> 412
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16446

[illegible] 60

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ctccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt 180

gttgccacat aagagaccag aggaggagca agagtcagag gcaaatacgg gtgtgaaaag 240

ggttaaggct gtggaaaatg ttcttctgca attcaaggtt cttgaggaag atcacataga 300

gcaaatgatt gaggagcttc ttgattatgg atcaattgaa ctctgctctg tcatttcacc 360

ccangccctc taattgaatg tgcatgtttt tgagctgaat ctaaagtcac aa 412

<210> 16447
<211> 340
<212> DNA
<213> Glycine max

<400> 16447

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attcgtggct atacaagaca tcttgccaaa caaagtcaag ttagccataa ctcgcctgtg 120

cttcttcttc catgccatat gtagcaaagt cgttgatcct gtcaagcctg atgaattgga 180

aaatgatacc gcaattatac tatgccatgt ggagatgtat tttccccctg ctttctttga 240

catcatgatt cacttgattg tgcatttggt catagaaatc aaatgttgag gtcctgttca 300

tttgcggagg atgtacccgg ttgagcgata cttgaagatc 340

<210> 16448
<211> 413
<212> DNA
<213> Glycine max

<400> 16448

tcgcacttga taatggatac acatgaacag cgctaatcaa tgacattcat ggtgctccga 60

ataaaggtgg agtatggagg attgccttga gggtcctctc ttatgcaatc atggaacaca 120

gctccaaact cgaaagtgga ggacacatga acaaccctaa gcaataacat tcatgtggct 180

ctggaacacg atgagaatgg aagattgcct tgacggtcct ctcttaggca atcatggaac 240

acagctccaa actcgaaagt ggaggacaca tgaacagccc taagcaataa cattcatgtg 300

gctccggaac cggatgagaa tggaagattg ccttcagggt cctctcttac gcaatcatgg 360

aacacagctc caaactcgaa agtggaggac acatgaatga caacgcaatt caa 413

<210> 16449
<211> 412
<212> DNA
<213> Glycine max

<400> 16449

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cnaatgaggt ttgaactttg aagtgtaatt ctcaaatgac caaagttgaa aaatgcacac 120

acatggcctc tatttatagc ctaagggtca cacaaaattg gagggaaatt tgaatttcta 180

ttcnaaattc acttgaattt gaaattgaat ttgtggagcc aaatttagga gccaaaattt 240

cactaattat gattagtgaa ttttagctat ggttcagccc actaatccaa gatcaagttc 300

aaaatttctt actaagtgtg cttaggtgtc atgaggcatg taaaacatga aggacatgca 360

caatgtgtga ttatatgatg tgacaatgag gtgtaacaag caaatgctca cc 412

<210> 16450
<211> 435
<212> DNA
<213> Glycine max

<400> 16450

ttggttgtca tgatgaatta gattcattgc atagtaatga taacagaaac tttattgtca 60

tacaagactt tcttagtaca ttagaagaaa ttcctagttc cttgagcatc cattgcaaca 120

aaatccttca tatataccat tggccaaagc cctaaattct gcttcagcaa tgcttctagc 180

taccacaatc tgcttcttgc ttctccaagt aaccaagttt cccctcacgt gatataatat 240

ggatgaaaca ccaagataca caagtaaaca gatgaaaaat aaatccaaat gtgcagctag 300

acaacttgca tgtgactact attactaatt tactatgcac atatgtaaag atatattcat 360

tattcaacat aaacatatcc cccnaccccc cccaccccag aagaaaatgt actacaaggg 420

aaaggtatac catta 435

<210> 16451
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16451

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gtggaggtct tgccagaagg cggaatgggc ctggaggccc aggaactggg gggtgcgagt 120

agtgtgaagc gtgtagcggg tgtcttcgta gacggccaag acggaatggg aagctcgaag 180

ggcgtgggct tgttgagggt cgagagtggc agcgaagccg ttgtaagcgg cggtgtaggc 240

atagaggaga gagtctggag aagaatcgag tgtggcagtg tacctagtac ggtgcgtggg 300

gtgcacggtg gaatcgtggc ggtgtttcat gtgtactatg taagtcttct tggtcgcaga 360

tagtagtgtg agttggagga gaaagaatga gaagaaggaa agggaaattg atgac 415

<210> 16452
<211> 435
<212> DNA
<213> Glycine max

<400> 16452

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aagacttcac atcatttatg aaatgcatac cactaccaaa tatcaatatg tcatccacat 120

tcacacattt atcattatta ttgatttgaa aaccatacaa aagaacaact tgatcaaact 180

tttcgtgtca ttactttgga gcttgtttca aatcatataa agatttacca agaatctata 240

agtagtacta tgcaaagaat atccaacaaa aacataatca acagtctttg gtccaatttt 300

ccttttctta ttaataggga tgttaacctt tgctagacac ccacacactt taagatattt 360

tagatttgat tatcttttttc tccatagctc aaaaggggta ttttttaaaa aataattata 420

aggtaccata ttaaa 435

<210> 16453
<211> 381
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16453

ngcttcgaaa cctcacggga ttaaaaagtt gaaaatttca tatgatgatg ctttgctaag 60

gctgaaaaga attccagatg ttattggcat caatgatgct ccaagtgttg gtaaagataa 120

ttctgaagtt tggcatgttc aggtaattag ttatctaata atgctgaata aatattttga 180

ttttctagaa gcaattattt tctcatttac tctaaaatga aattatcgat tatgtctact 240

ttggaatgta gatatttcgt tcaattgatt caaattccgt taaggggttt ccaaaggatc 300

caaaagatgc aacgagcaag gtgaatgaaa agccttgtgt ttcaatttnt gtttgtcaga 360

tttggtttaa ctatatcaaac c 381

<210> 16454
<211> 407
<212> DNA
<213> Glycine max

<400> 16454

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atcggaagct ctcgagaaat tcaaatggtc ataacgtttc acacgaaggt cagattcagg 120

cacataatat gtcgagatgc tcggaattca accacggaag ctctcaagaa attcaaatgg 180

tcataacttt tcaacacggat gttcgattcg ggcatataat atgtcgcgat gctcggaatt 240

gaaccacgaa agctctcgag aaattcaaat ggtcataact tttcacacgg atgtccgatt 300

cgggcgcata atatgtcgag atactcgaca tagaacaacg aaagctctcg agaaattcaa 360

atgggcataa catttcacac ggatgtcaga ttcggcacat aatatgt 407

<210> 16455
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16455

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aagcgggcaa ggcttggggt gtgtgttaat gcaagaggga agaatagtgg cttatgcttc 120

acgccaattg cgtcctcgtg aagttaacta tccgacccat gatttggaac tagcagctat 180

ggtctttgcc ttaaagattt ggaggcatta tttataccgt actggttttg aagttttcag 240

tgatcacaag agtcttaaat acttgtttga tcagaacgaa ctcaatatga ggcaatgaag 300

atggaatgga ttccttcaagg attatgattn tggtcttcc taccatcc 348

<210> 16456

<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16456

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ggacaaatgc aaaacttccc tttctatgac aaacctatgg taattgttag attacactta 120

tctagtattt attattacac cgaaacttat gattctgatt catatgtaat tacctaatgg 180

taatcaactt atagtgctgt tgataatttc tttacagttc tgttcataac tctattatat 240

cttgtaccaa actttnggaa ccatttctag taaccaatgt tatcttactg ttcttttccc 300

nttttatctt gtatgttcta gattctctta cttggctact agggatttat gttcgtgccc 360

aaaaaatac 369

<210> 16457
<211> 414
<212> DNA
<213> Glycine max

<400> 16457

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tgatgcgcta ccttcgggaa aaatcaatga ccttcgcaaa aatataaagc tggtaatggg 120

cgttgggttt gcaaaggagt gctacgaggt gtactgtaac tggaggaggg aaagcttaaa 180

ggagtgctta ataaatttat taggcttgcc agagattaat gtggaggaga aaagtagatt 240

gttggaattt gaaaattaca ttcttagaag acgtattgag gctatccagg tcgctcttgg 300

aacactaatt cccagtgagc gacgactctg tgatagcgtc ttccaggggt tctcttatgt 360

ggctgatctt tgtttcactg atatttgtcg gggaaccnca attcaattgc tgaa 414

<210> 16458
<211> 370
<212> DNA
<213> Glycine max

<400> 16458

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ctggcgccat gaagcttgaa cccaaacctt ttggtggcaa atttcctgct caggttagtc 120

tctttcattt tctgtctaa ttaaattatc ctgatcctgt cgttgattaa tatgctgatg 180

gctcatggct aacaccttca ggtgcggttc aaaattgctt ctgattgtgt tccattaccc 240

gaaagcattt tcaaaaaagc catcaaggat aattataatg aaaagcacaa gttcagaaca 300

gaacttaccg ttaaacaagt aagaattaaa tgtaacctct ggtggcctgt ctgtctgttt 360

ctatcattct 370

<210> 16459
<211> 368
<212> DNA
<213> Glycine max

<400> 16459

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ctctagtctt gccagtagca agtgcaagtg tgaaacgtgt ttttttagct atgaagtttg 120

tgaagagtca actatgtaac aaaatggatg atcaatggtt aaataatcgt cttgtaactt 180

ttatagaaag agatgttctt ggaacaatca acaatgaagt tattttagct catttcaaa 240

aaatggatag tagacgattt ttattgtaaa tacatttcct taaacaacat tatttcttat 300

tttcaatata ttttagtcta ttagttcttt tatattttac ccacactgat atttattgtc 360

tggatccg 368

<210> 16460
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16460

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aataagagag gtatattgag gaatgtcttg agggtcctct cttatgcaat catggaacac 120

agctccaaac tcgaaagtgg aggacacatg aacaacccta agcaataaca ttcatgtggc 180

tctggaacag gatgagaatg gacgattgac ttgagggtcc tctcttaggc aatcatggaa 240

cacagctcca aactcgaaag tggaggaaac atgaacaccc ctaagcaata acattcatgt 300

ggctccggaa ccggatgata atggaggatt gccttcaagg acctctc 347

<210> 16461
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16461

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ntttcaactt ctttcctttc ttttgctagt gtttcaaatg gaaaaaatga gggtttggat 180

gntggaatct cacgtgagga tgagatggag gaagaagctc ctgagacaag taacaacaca 240

antgaactta ttttaagaag ctntggcggg tttgcgatta actcaaaccc taacccatca 300

atgcctaaga caaatccttt tgggggttca tttaataatt tagcaacaag tttatcatgc 360

tctacagtta ca 372

<210> 16462
<211> 413
<212> DNA
<213> Glycine max

<400> 16462

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tattaagaac tagctccttt cctcctctat tgcctttagt tgaataaacc tttgtttggt 120

tctctatttg gttcttaacc ctctcatgca acttcttcac aaactatgac ctacattccc 180

cttctttatg tataaaagaa gtgtcaagtg ggaagggaat gaggtctaag ggtgttatgg 240

gattgaaccc atagacaacc tcaaaagggg attgctaggt ggttctatga acccccctat 300

tgtacgaaaa ttttacatga ggaatatact catcccaaga cttatggttg cctttagaa 360

gagcccttaa aagggtggat aaagacctat tcactacctc tgttggcccc tta 413

<210> 16463
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16463

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ttattggaga ttttaacatt ttatatgtac agtctagcaa ttttaacagc atatctcttg 180

tagggcttca gttagactac aaagaagtta ccctatctca ctttagtttt gctagcttct 240

ttctgatgtt taatactggg actttatgtc catattgatg ttttgcttcc ttttttgtatt 300

tgagagaagc aaaatttgat ctaacttcta tttaaccaaa agatatgagc ctctcatgga 360

aaaactcttt atgggttttga tgtactttga tcttaaacaa gcgtccaaca tatggttacc 420

tggttgg 427

<210> 16464
<211> 410
<212> DNA
<213> Glycine max

<400> 16464

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ttgctgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gctgagtatg taaacatcag tgtatactgc ttcagcccag aatgtgttat 180

gtagtccctt cttcatgagc ataaatctag ccatctccat aactgtgcga ttctttctct 240

cagacactcc attttgttga ggagaatatg cgactgtaag atggcgctca atgccttcat 300

cctcacataa tctatcgaac tcgcgagagg tgtactctat gtcgcgacac tgcttaatac 360

tttatcacct ttcactttga ttttaacaag ggccttgaac tgttagaata 410

<210> 16465
<211> 382
<212> DNA
<213> Glycine max

<400> 16465

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taaaaagtta ttcgtttgaa tttgctcaga gcttcaacgt tcaatttttga gcgtctcgtt 120

atattacggg actcaatcag acatccgagt aaaaagttat tgtcttttgg attggctcag 180

agattcaaca ttcaatttcg agcgtctcga tatatcacgg gactcaatca gacatccgag 240

taaaatgata ttgtcccctg aattggctca gagcttcaac attcaatttc gagcatctcg 300

atatatgacg ggactcaatc agacatccgt gtaaaaagtt attgtgcgtt ggattggctc 360

agagcttcaa cattcaattt cc 382

<210> 16466
<211> 432
<212> DNA
<213> Glycine max

<400> 16466

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ctctaactaa gttgactcgt aagaatgaga aatttgtctg gaatgagaag tgtgatcaaa 120

gtttccaaga gttgaagagg cggttgacaa cagctccagt gttagttttg ccggacccta 180

agagaccatt tgaagtgtat tgcgatgcaa gcgggcaagg cttggggtgt gtgttaatgc 240

aagagggaag agtagtggcg tatgcttcac gccaattgcg tcctcatgaa gttaactatc 300

cgacccatga cttggaacta gcagcggtgg tgtttgcttt aaagatttgg aggcattatt 360

tatacggtac tcgttttgaa gttttcagtg atcacaagag tctcatatac ttgttcgatc 420

ag 432

<210> 16467
<211> 407
<212> DNA
<213> Glycine max

<400> 16467

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cttgtttgac aagtggcctt agaaatctta agaatggggg gttgaattaa gattatgctt 120

actattcccc caattaaaac ctactcagat ttttatgcaa gttctgagtt ccctttataa 180

taaatgactt agatgatgaa tcaaatgagc aaactgaaat gagactaata aacaacagct 240

aatataagag attaaggggaa gagagaatgc acaaccagat ttatactggt tcggccacac 300

ccttctgcct acttccagtc tccaagcaac ccgcttgaga gtatcactat ctttgtaaat 360

tctttactag tattgtacca cacaacgact ttctgatgaa aatcctg 407

<210> 16468

<211> 385
<212> DNA
<213> Glycine max

<400> 16468

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[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 385

<210> 16469
<211> 351
<212> DNA
<213> Glycine max

<400> 16469

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tgtcttatga tagacaatga cttggaattc tattctacga aattcaatga attctatcaa 120

gattaaggca tcacaagata gagtaactta cgctatactt tgtctcaaac tggagtaact 180

gatagaataa actagaccct attggaaagg gcgcaataca ttctatccaa tgtaggagtt 240

gaataggagt gtctgggctg aaacattcaa cgcaacatac tatctcaaga atcattcacc 300

atgcactatc ataaatttta gaactcgtag tgaagaatgg tctaacaaac t 351

<210> 16470
<211> 413
<212> DNA
<213> Glycine max

<400> 16470

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aagacaagct ttggcatctg agtctcagag aacaccaccc tcagtgcaaa atgcaacaac 120

ctccacaacc acaccaatta gcaacaactt cagtgtcaag aatgagcaaa ctcatgcagt 180

gttgncacat aagagaccag aggaggagca agagtcagag gcaaataggg gtgtgaaaag 240

ggttaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga 300

gcaaatgatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc 360

ctaggccctc taattgaatg tgcatgtttt tgagctgaat ttaaagtcac aa 412

<210> 16471
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16471

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aattgtggca aaagttttgg ccaagaggct ggccattgta ttacctcatc ttatagatga 120

aaggnagacg gcttttatga aggggagaca catccttcat ggtgttttga ttgccaacga 180

ggctttagct gaggccaagt ctagaaataa accttgcatg gtcttcaaag cggattttga 240

aaaggcatac gattcggttt attggggatt tcttgactac atgctcatga ggatgggatt 300

ctgtgaaagg tggaggaaat ggataaatgg ttgtctatcc actgcaacca tatccattnt 360

agttaatgga agcccatcta aggaatttgc tcctaagaga ggtctaaggc aag 413

<210> 16472
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16472

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catcaaataa ggtctaaact ttgaagtgtg atttcttaaa tgatcaaagt tgaaaaaatg 120

cacacacaaa agctttattt atagcctaaa tgtcacacaa aattggaggg aaatttgaat 180

ttctattcaa aattcacttg aatntgaatt tgtggagcca aaattttgct aattatgatt 240

agtgaatttc agctatggtt cagcccacta atccaagatc aagtctaata ttctccacta 300

agtgtgctta gatgtcacga gacatgtaaa gcatgaagga catgcacaaa gtgt 354

<210> 16473

<211> 430
<212> DNA
<213> Glycine max

<400> 16473

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natgctagaa gggaaagcaa actcttgagg atcaatcctc atcctcgtaa atctggaata 120

nttaggcaat gttcaacctt cctctaaaac tattgggggt tcaaagaagg tattaggct 180

nncagcatca atcttgatta agtgtcctga tgcaatccta ccccgcaagg gcattggata 240

gaaaactcca agtagattgg gccaaagatg caagagaagg ccctagggtt cttatgagcc 300

ttagggtaga tttcgggccc atgggctaag tatgagccca cttatctttg taaatattaa 360

attaaggttt cattatttt gggccttgca tttacggctc cataatgtaa gtagggtacc 420

ctagaaatat 430

<210> 16474
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16474

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ctccaatctt taatggagaa ggttaccact actggaaaac ccgaatgcaa atttttattg 120

aggcaataga tctaaatgtc tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagaat tacaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta 240

gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300

taataacatc tgccctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360

acgaaatgtg ggacactctt cgattaacac atgaaggaac ta 402

<210> 16475
<211> 436
<212> DNA
<213> Glycine max

<400> 16475

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agcatgatat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtt cggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgggg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

nattgaagaa gatgaggagg tgactatggc ncgattcttt aatgyttnga ctnatgatat 300

ntgtgatatt gttgagctgc aagagtttgt tgaaatggat ngatttgctt acnaagcaat 360

ncaagtggag caacaattaa aaaggaaggg agtggctaag aggagt 406

<210> 16476
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16476

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ggaagctccc agtgaagggt tctgcctttc ttacagctga aggatcatcc agatcaagcc 120

ttgctataag ttcaccagcc tgcaaaaggt gatacaattt tattatcttt ttcaatttca 180

acaattgtac ttcctatgtg gaatagaatg ctatatacct gcattgcttg accttcagac 240

attttgaaat gaataatccc agaagcangc gaaagaagag gcatgcacat tttcatgacc 300

tcaacttcag catacggtgt gtcagcatca acatgact 338

<210> 16477
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16477

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gacttgatta tctcaagttc cacttggacc ccatttctac caactacgat acctaagaaa 120

actatattat ctacacaaaa ggtacacttc tctatatttg catagagggt gttttcctaa 180

ggacagaaat aactttctga tatgtactaa tgatctttan gctcctacta tcccctaaaat 240

tcatcaaata acaacaca 258

<210> 16478
<211> 405
<212> DNA
<213> Glycine max

<400> 16478

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gttacaaatc tactacactt ggagtgatga catgcagtcc tcttgaacct ttaccaccga 120

ctatgacctc atgccaacac tcaagacggc caagacgtat atccttcttca atgtagactc 180

aacaagagtc aattgctact tctgcgcata tacctgtgaa caatagatgc ttctggatga 240

tacaaattct ttatgtatcc ttttaagatc ttcatgtatc actcaaccgg gtacatccac 300

cgcaaataaa caagaccaca acatttgatt tctctgacca gatgcacact caagtgaatc 360

atgatgtcaa agatggtagg gggaaaatac atctccaact ggcat 405

<210> 16479
<211> 397
<212> DNA
<213> Glycine max

<400> 16479

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aacttattgt cgtatgaatt ggcttaaagc ttaaacattc aactttgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg ccgtttgaat tggctcagag 180

gttcaaaatt caatttcgag cgtctcgata tatttcggga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgag ttggcttaga ggttcaacat tcaatttcga gcgtcccgat 300

atattacgtc actgaattgg acatccgagt gaaaagttat tgacgtttga atttgctctg 360

agcttcaaca ttcaatctcg agcgtctcga tatatta 397

<210> 16480
<211> 413
<212> DNA
<213> Glycine max

<400> 16480

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tagcatcatt tctagcgcta aactactggg agtttgaagc catcttctta attaaatttc 120

tggcttcaac aggagtcatg tctctaaggg ctccaccact ggcagcatct atcatacttc 180

tctctatgtt attgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240

ggtgagggca actgacacat agtttttaa atctctccca gtattcatat aggctctccc 300

ctctaagttg tctaatactt gaaatatcct ttctgatggt tgtggtcctg gaagcaggga 360

aatctttttc taaggaatact ctcttgagat catcccagct cgtgatggac ttt 413

<210> 16481
<211> 412
<212> DNA
<213> Glycine max

<400> 16481

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acaattatga cctctccagc aacagataca atcccggatg gaggaatcac cctaatctca 120

ttatggtctag ccctcaacaa caacaacagc agcctgctcc ttcctttcaa aatgatgctg 180

gcctaagcaa gccatacatt cctccaccaa tccaacaaca gcaacagccc cagaaacaac 240

aaacagttga ggctcctccg caaccttccc tcgaagaact tgtgaggcaa atgactatgc 300

agaacatgta gtttcaacaa gagaacagag cctccattca gagcttaact cgccagatgg 360

gaacaattggc tacacaatta aatcaacaac agtcccagaa ttctgacaag tt 412

<210> 16482
<211> 412
<212> DNA
<213> Glycine max

<400> 16482

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tctgtgggat tgagtaacta agaatcacca acaaagttaa ttagtttatt aatcaagtac 120

ttttttttat caatttataa atacatacgt gttgcattat taattaattt aatacttact 180

tctaaccact cttgagctcc tgcaggctcc catgctgcta aaccacctit tttactctgc 240

aataaaaaaa atgtggtita gttaaaaata aatgtggtag taaaagtaaa taaagcatca 300

atgatcaaag tcctttgtca accctaactt attattgatc aaatatttag taacaaagaa 360

aagggccat tagttgattg atgattggtt aattaaaagg atatggacat aa 412

<210> 16483
<211> 417
<212> DNA
<213> Glycine max

<220> Insure at all n locations
<400> 16483

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tcttaagaag gggggcttga attaagatat tccaaacttt tctcctaatt aaaaatctat 120

cttacttttt acttaagtta tgaattccct taatgacaat cttcttaaat attaattcaa 180

atgaagcaac ttgaattatg aatataaagc aataataaat aaaggagatt aagggaagag 240

aaaatgcaaa cttcagtttta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaacccg cttgagagtt ccactaactt gtaaattcct tttacaagtt ctaaacacac 360

aaggacaacc cttcctttgt gtttagagat tctntacaac aagagactca cagtctc 417

<210> 16484
<211> 233
<212> DNA
<213> Glycine max

<400> 16484

ttctttgaaa tctcggataa accaaatcat gttgataaat tgcaaaaagc tctttatggt 60

ttgaaacaag cccttagggc ttggtatgaa cgcttaagta aatttcttct aaaaaaagaa 120

ttctctagaa ggaaagtgga taccacattg ttcatacaag aataagcata atgatatttt 180

ggctggtcca aaaatatgat gatgatataa attttggaac cactaatgat tca 233

<210> 16485
<211> 415
<212> DNA
<213> Glycine max

<400> 16485

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tgctgcccaa gtttcatgat cttgcaggtg aagatcctca taagcatctt aaggagttcc 120

atattgtctg ttccaccatg aaatccttg atgtccaaga agatcatatc tttctaaagg 180

cttttcctca ttctctagag ggagtggcga aggattggct gtactacctt gctcccaagt 240

ccattaccag ctgggatgac cttaagaagg tgttcttgga taaattcttc cctgcatcta 300

ggaccactgc catcagaaaa gacattttag gcatcatgaa acttagtgga gagatcttgt 360

atgagtactg ggaaagattc aagattttgt gtgaaagttg ttctcactat tgat 414

<210> 16486
<211> 401
<212> DNA
<213> Glycine max

<400> 16486

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gccaacaact tctcctgtca cagttgggtg ttcccaaaac atgtctctca ccttttcaaa 120

atcaacgtag ctcaaggatg tcatcagcac agcttttgat ttcggctttc ctggtgaatt 180

aacaatatcc cccttttggt taacatcagg caaaagattc tccttcaaag tgcaagctaa 240

gatctgatcc aacacatgtt gaaatggtcc agttctagta tcaaacactc ttatttggat 300

gcctactctt tcatcaacgt cagctaaata agcttgatag tatctgctaa caagtcctca 360

tactttgttg gtagggtgga acagatatct acccaagaaa t 401

<210> 16487
<211> 351
<212> DNA
<213> Glycine max

<400> 16487

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aatttctcga aagctttcgg tatttaattt tgagcatctc gacacatgat gcgcccgaat 120

tggacatccg tgtgaaagtt aagaccactt gaattttctg agagcttcgc tattcaattt 180

ggagcgtctc gatatgttat gcgcctgaat catacatccg agtgaaaagt tatgaccatt 240

tgaatttctc aagagcttcc gttgttaaat ttcgagcatc tcgatatgta atgcgcctgt 300

atctgacatc cgagtcaaaa ggtatgacct tctgaatttc tcgagagctt c 351

<210> 16488
<211> 401
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 16488

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ttatgcatat tnttttagaa anngaatgaa ngngctctta gttattctac atatgataag 120

gnaattgtatg cnttaattag agctttgtag acttagcaac atttatctct gcccaaggaa 180

ntgttattta anagtaatca tgagtctttg aaatatttga aaggacaagg aaagttgaac 240

aagaggcatg aantttttat tcactatgat catgagtctt tgaaatatct gaaaggacaa 300

gnaaagttga acaagaagca tgctcttgtt g 331

<210> 16489
<211> 361
<212> DNA
<213> Glycine max

<400> 16489

attcttttct atgcagagaa tatccaagga aaataccttc atctgactta gcatcaaatt 60

ttcctaagtt atcttttcca ttattcaata caaaacattt acaaccaaag atatgaagat 120

gagagatgtt tggttttctg ccattgacca attcatatgg agttttcttt aaaatgggtc 180

ttattaaagc cctatttaaa ctgtagcatg cagtgttaac ggcttcagcc caaaagtatt 240

ttggaagagg agtatcattt aataaagttc tagcaatctc ttccagagat ctatttttcc 300

tttcaacaac accattttga tgaggggctc ttggtgcaga aaaggtatgc ttaatcccat 360

g 361

<210> 16490
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16490

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agtttacgta aactcgtaag agttccatag actcaactcg tagacttata cgagtccact 120

tcatataaaa ataataacaa aatatctata aataacatac caattaaaca ttttaacaat 180

ataataaagc aaaatagtaa atcataaatt tcacaatact gaaataacca agtctagtaa 240

tgcatcacta ctagataata acttgcagat tntatagtag tggtagagca ttcccatcaa 300

ggatntgatg ttattagaga ata 323

<210> 16491
<211> 345
<212> DNA
<213> Glycine max

<400> 16491

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agtgaagggt tctgcctttc ttacagctga aggatcatcc agatcaagcc ttgctataag 120

ttcaccagcc tgcaaaaggt gatacaattt tattatcttt ttcaatttca acaattgtac 180

ttcctatgtg gaatcaaaatg ctatatacct gcattgcttg accttcagac attttgaaat 240

gaatcaatccc acaagcaggc gaaagaaagg catgcacatt tttatgacct caacttcagc 300

atacggtgtg tcaccatcaa catgactgtc atctgcaacc aaatatct 348

<210> 16492
<211> 239
<212> DNA
<213> Glycine max

<400> 16492

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acagatttgg taaggcagaa aggtgattgt aaacgccact ttctggagaa aatgagtcaa 120

caacaagctc accaccatat gaagccgtgg ataagagttt gaagtatgac aaaatgaccg 180

aatggagaga gagaggggggg acgggggctc acagtataaa tccctttgat gacgacctg 239

<210> 16493
<211> 412
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16493

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cgatttaccag tggccaaagt agtttctgaa atgttcttaa aattttgaat ttgattttaa 120

aagcctataa tcgattacac aagacttgta atcgattacc agaagttcta aacattttat 180

aaaagtcttt agaaatttga atttaaattt caaagcctgt aatcgattac agcttgtgtg 240

taatcgatta ccataactta aaattcaaat ttcaagtctt tagagtcaca actattttaga 300

aaaataactg tgtaatcgat tacaccattt tgggaatcga ttactagtaa ggaattttca 360

aaaataactc ccaacaatca catctattca aatgtnnttg aatggccatc aa 412

<210> 16494
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16494

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gctatacgag acatcttgcc aaacaaagtc aggttagcca taactcgcct atgcttttc 120

ttccatgcta tatgtagcaa agtcattgat cctatgaagt ttgatgagct ggaaaatgag 180

gctgcaatta tactgtgcca gttggagatg tattttcccc ctgctttctt tgacatcatg 240

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tggatgtnac ccggtgagcg atacatga 328

<210> 16495
<211> 412
<212> DNA
<213> Glycine max

<400> 16495

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gtaggcttcg gccaatctaa caccgcttgc accttcccag catccaatgc tactccagct 120

ccagagactt tatgaccaag gtattccacc tcaagtaatc caaatgaaca cttagagagt 180

tgagaaaata aaacatacta ttgtagtgtc tgtaagacat actccaaatg acacaaatga 240

gtagactagg aagggctata gaccagtata tcatcggaaa aaaacaagca caaatttcc 300

taacttcatt tgaaaaataa tgttcatcaa acattgaaag gtagttggtg catttgtgag 360

tccaaatggc ataacaagcc atttcataatg gccatgatga gtccttaaag ca 412

<210> 16496
<211> 335
<212> DNA
<213> Glycine max

<400> 16496

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[illegible]acata aggcttgagt ttgactaatt atctctaata ggcttaactt tgtcatacat 120

aaaagtctag cttggcgagt ctaatttaaaa gcttgcttaa agacgtcttt gatcaattaa 180

t[illegible]tttaaa atctagtgaa atactaacta aaaaaaagaa acttataaaa tttaatatga 240

g[illegible]gtaca aatccaaaaa taattgataa acaaaatcat attgaattca agtagttaaa 300

atacaaaagaa tatataaaaa atgaaaaaaa gagag 335

<210> 16497
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16497

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acttgtcaat gcgactattc catgccctcg gtgcttgctt tagaccatac aacgccttgt 120

tcaatttcaa gatatttcct tcttgacctt tgatgagaaa acccattggt tgttcaacat 180

aaacatttttc ttcaagatag ccatttagca atgccgattn tacatcaagc tgaaaaactc 240

tccacttcat ttgagctgcc aaggaaataa aaagacgaat tgtctccatg cagacaaccg 300

gtgcaaacac ttcatcataa tcaactccat attg 364

<210> 16498
<211> 410
<212> DNA
<213> Glycine max

<400> 16498

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gccttaactt tttacttata tgcacatttt ctaattattt ttgttttaaac caataaggtt 120

tttacaaaag gagtggatgc ggatactgtg gttttgatgg cagctcaagc ttcaagactt 180

gagaatcaag atgcaataga cactgccata gttggaatgt tggctgatcc aaaagaggtt 240

agtcattgat atattattca ccgcgattct tttgatgaca tatttattag ctgcaagcct 300

ctaactgtaa tctgcagatc atcataattg ttactgtatt ttagtttgcg ttttaatttt 360

cttgtcttaa ttactgctac aaaggcttgt ctggtatcct aagaagtaca 410

<210> 16499
<211> 407
<212> DNA
<213> Glycine max

<400> 16499

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ctatttttcag attgggaatg cctctaacag caccttttgtc aatgatttttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggaggata 180

gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

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ccttcaccag cagtactttg ttcagactaa gaagtccatc atgaact 407

<210> 16500
<211> 417
<212> DNA
<213> Glycine max

<400> 16500

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gccttggctt tatctacaca gacttcactc aagtcagaga aacagaaagc tgatgacttt 120

gaaagaaaat acaacgaagc ccaagtttgt agcgaagaaa gaggtaaaaa actggaagac 180

acggagaaga agacacgtca gcttcaagaa tcactgacta ggtaatataa ataatgaaaa 240

gtatgccctg atgtaattgt tttcccgtga taatcaatga tgtcttgcaa gggagagcct 300

tgtcacaatg ttaaggttgt tacttgtaac cctgaggtta ccagtacaaa tcttggaaac 360

agtctctctg cttatggagt tacagctaca tacatttact acttcagacc ctacttg 417

<210> 16501
<211> 415
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16501

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tcaaggattt gcttaccaga tgacagtaaa gttggaactt tgtcatgacg aacctgcttt 120

tgattctctt ttaacttcaaa atcattagca taaggaagat tagtatgtcc attaaaataa 180

gcattgttta ttgcggaagc gtcaagaagt gggttaaaga actgaaaaat aaaaccagct 240

gccaaacttg aacggtaagt ggtttttgag gtatcatctt taggtacaat agtggctgta 300

accaagatga cagcatcgta tagaatgcta gcacttaaaa gctttccagc taaaaactcc 360

tnaacattnt ttgctctgat tgcatgctta ctcccataag caccaaaaga caacc 415

<210> 16502
<211> 414
<212> DNA
<213> Glycine max

<400> 16502

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tagagatgaa gtccaacaat acatacatcc aatgcgctca gcttcaacca tacgaagatc 120

taaaggaatt tcttgaaact gtgcagcaat ttgatgatct ccaagagata aattgtgtga 180

aacatatgct tttatggtgc ctgctccctt tgtgaatcct gtgtcaacgg tcaaatggat 240

aggattgggt acttctcgag aataaaattc atggattaat gcactaccac cagttactcc 300

aagaccagtt gaatacctgc atgaaataac cataattagc tacagtgaaa ggaggttcat 360

aaactggtat aatagaacat tctctaagaa cataaagagt aagaaggaat aaaa 414

<210> 16503
<211> 327
<212> DNA
<213> Glycine max

<400> 16503

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aagatcttct tcatcaatgg attcctttgc ttcttggaag atgaatggca gcggaatgga 120

gaaagggaga gagagaggag acgccacttc aaggagaaga tgagtctaga agaagctcac 180

caccatatga ggccatggat aagagcttgg aggaagaagg agatgaatga acggagaggg 240

agagaagagc acgacatttt gtgctccaat gaacttgaa tctgaagtta atatcaaatg 300

atccgagtca aagaaatgcc acctgac 327

<210> 16504
<211> 410
<212> DNA
<213> Glycine max

<400> 16504

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gcaagttgaa agccttggag gaaagaggta tgcttatgtt gttgtggatg atttctccag 120

atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180

gagtctaagg cttcaaagag aaaaagactg tgtcatcaag agaatcagga gtgaccatgg 240

cagagagttt gaaaacagca aatttactga atactgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acaggacttt 360

gcaagaggct gctagggtca tgcttcatgc caaagaactt ccctataatc 410

<210> 16505
<211> 401
<212> DNA
<213> Glycine max

<400> 16505

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cagagattga tggtgcgcgg tatatgacgt atatctctgc acgtcacctg agttcagagt 120

cagtgtgaca caaattgcgg ggcggccgac aaaagtgagt cttcttgctcc tacgtatcct 180

caatttgtga tgaggaactt aaacttacgg tattcttgat actgtgagac taaatagtct 240

cggtgttttt tcactacaat gcgaacatgc attagtaaag aaacaaaact tccaactgat 300

caaagcaaca tatgcttttt tctatgaaga caatgtgtct attgcggaaa gagagtgtac 360

tgatcataat ttcacataac catatatgag attttgatga t 401

<210> 16506
<211> 392
<212> DNA
<213> Glycine max

<400> 16506

gatgaaacgg tggccttctc atggactctt tcgaatgaaa atagcagcat ttcttgcact 60

aaagttgtgg gagtaggaag ccatcttctc aatcaaattc gtaacctcag tatggtcat 120

atcatcaaga gttccaccac tggcagcatc aatcatactc ctctccatgt tgctaaggcc 180

ttcatagaaa tactatataa ggagttgctc agaaatctag tggtgaggac agctcgcaca 240

caatttcttg aatctttccc agtactcata caagctctct tcactaagtt gcctaatgcc 300

tgaaatgtct tttctgatgg cagtggtcct agatgcaagg aagaatatct ctaagaacac 360

cctttaagg tcatcccagc tgagaatgga tc 392

<210> 16507
<211> 374
<212> DNA
<213> Glycine max

<400> 16507

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ccactctccc ttatttgatc tgacttgaag ccctcctatc tcatgttgat ataagatagt 120

aatacaactc atatcaatgt gcatcccaag cccctcaact tgatcttcta taacttctgg 180

agctgagtaa tcgtttaccc aacatatcca accatgaaca ctccttcata cttgattcac 240

ttcttgtctg tttcttttggt tactttcatc cgatagtctt catgatgcaa accatttacc 300

ttccaaaagt ttacctatac ctcaatttttt gctactgcac atggtaattg gtaagcctaa 360

caagtacatg gaaa 374

<210> 16508
<211> 396
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16508

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ataacacaac aaatctattc tcataaacaa caacaaaatc cgccgacgaa atttcttgat 120

gataatgctt ttttgataaa ctaatcaacg acgctaagaa attgagttaa acctttgattc 180

ctaatcagaa acagaatcct caccatgaag cagttccaag gccactccgt cccgtcctct 240

[illegible] 300

tcggtcttct cattctccgg aaacttcgct tcrgccggcg aagccatcgt cctcttccag 360

tagaagaacc ctccattcgc gccgccagcg cagagt 396

<210> 16509
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16509

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taatttatgat ctttcaagca acagatacaa tccaagttgg agaaatcatc taaatctgag 120

atgggcaagt cctccacaac aacaacaacc tgtccctctt ttccagaatg ttgctggtcc 180

aagcaagcca tatgttcctc ctccaataca gcaacaacaa caacaacagt cacaacaaag 240

acaacaagca actgaggctc ctcctcaacc ttccttagaa gaattagtga ggcaaatgac 300

catccagaat atgaaatttc agcaagagac aagagcctnc attcagagtc tgacanatca 360

gatggggcag atggctactc 380

<210> 16510
<211> 416
<212> DNA
<213> Glycine max

<400> 16510

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ataagtctga atcggacctc cgtgtgataa gttatgacca tttgaatttc tcgagagctt 120

tcgttgttca atttcgagcg tctcgatgta ttatgcgcct gaattggacg tccgagttaa 180

aaggtatgac tatttttatt tctcgagagc tttctgttgtt caatttttgag cgtctctttta 240

tgtgatgcgc ctaaatcaga ctttcgaatt aaaagttatg accatttgaa tttctcgata 300

gctttcgtta ttcaatcttg agcttctcta tatgtgatgc gccagaatca gacttctgtg 360

ttaaaagtta tgaccatttg aatttctcga gagctttcgt tgttcaattt gatatg 416

<210> 16511
<211> 356
<212> DNA
<213> Glycine max

<400> 16511

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ctttcagttg gtgaccagat cctatagcct ttcactccat caccataacc catgaacaga 120

cccttctac attaacatga taataagcat tgcagccaaa tactcttagg tttgagtagt 180

ttggtggttt gccatttcat atttcaatag gagttttaag tcctatagca gtagagggtg 240

tnctattaat tagaaagcaa gttgtattga tagcttctcc ccaaaaactt ctgttgagac 300

gagcatagga caatagacat cttgttcttt ccaggagtgt tctattcatt ctttca 356

<210> 16512
<211> 349
<212> DNA
<213> Glycine max

<400> 16512

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gagagctaga aatgaagagc caatggttga tacatggacg gagatgaaaa agatcatgag 120

gaagcggtat gttccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180

ccaaggcaac aaggggggttg aggagtattt caaggaaatg gatgtgctca tgattcaagc 240

acattattgaa gaaaagacga ggtaactatg gctcgatttc ttaatgggtt gactaatgat 300

atccgtgata ttgttgagct gcaggagttt gttgaatgga tgatttgct 349

<210> 16513
<211> 387
<212> DNA
<213> Glycine max

<400> 16513

ttgaacaacg gaaactctcg agaaaattcgt gtggtcataa attttcacac agatgtccga 60

ttcggggaaa taatatatcg agacgcacga aattgaacaa cggaagctct cgagaaattt 120

gaatggtcat aacatttcac tcggatgttc gatccgggga cataatttat cgagacgctc 180

gaaattgaac aacgaagct ctcgacaaat tagaatggtc gtaacttttc acgcgaatgt 240

tcgattcggg gatataactc atcgagacgc tcgaaattga tacaacggaa gctctggaga 300

aaattgaatg gtcataagtt ttcatacata tattcgattc gggaacataa tatatcgaaa 360

agatcgaaag tgaacaacgg aagctct 387

<210> 16514
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16514

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gctggagaat tacttacggc agaaattgcc actggaagtg ataatggaaa gcgagcccca 120

cagtatatgg agaagggaca gttggtccct gacgaaattg ttgcgatggt atgtatgtat 180

gtatgtcgtg actaatttct cttcaattct tgtttctcat atcatatcct tgcttctgtt 240

tatgctatat agatggtaaa gagcgtctct tgaaaccaga ttcnaaagag aatggttggc 300

ttttggatgg atatcccacg agcttatcac 330

<210> 16515
<211> 373
<212> DNA
<213> Glycine max

<400> 16515

atacccaaaa tcttatctac agaaccaagg tctttcatat caaaatttct agacaagaaa 60

aacttcacat catttatgaa attcatttac taccaaatat caatatgtca tccagataca 120

taaaatgacg catccattat catcaaattg tttcacatac acacatttat cactatcatt 180

aatttgaaaa tcatacaaaa gaataactta atcaaacttt tgtgtcaatg atttggagct 240

tgtttcaaac catacaaaga attaacaatt tatttttcaa gaaaaaatat tttcaaagaa 300

agtcacatct atagactcca taatagtacc attagaaatt tcaaatactt ctgaattaat 360

aattaagaat cta 373

<210> 16516
<211> 403
<212> DNA
<213> Glycine max

<400> 16516

[illegible] 60

[illegible] 120

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accaatgaat caaaaggaga agtttagcaa ggaagaaggt gttgataaca ttgatgaagg 240

catattatggg agcttgattg gatgtctaat gtatctcact acaacaagat caaacattct 300

attgctcaa aagaacaaaa ctggaatttt tgttgacaat caagtagcca ttgctattgc 360

caaaaatctc gtgtgtcatg ggaagactaa acatttcaac atc 403

<210> 16517
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16517

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ttatacagag aaacgaatca aggacctaaa aagggattat taaagaggtt aaaaaaacgg 120

aaattgtaaa acaagaataa cataataaca gtattttact tgagtcataa cataatttct 180

tttatattta ttatttgata atcgatacac attataagta tttagtttta ctatttatat 240

tggttactag atataaaact tagacggaat atacgcgtta accgtaaaaa tcataaaaat 300

gtcttttcgat agataagtat atnttcatgc tagaatttat tgacacatac gaattttgtg 360

tatcatga 368

<210> 16518
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16518

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ttagattcta catgcatgta cttgtgtata tttcatgtgt tgttgcatac cgtaaagata 120

atgaataaat taaagtagca aagattacaa cggttatgct tactagcata tttggaatat 180

tattaaatag aaattttatt aaaaatataa taaatatact gataatattg aatgttatat 240

acattttaat acatatttcc atttaatgtt atagtataat tatccatcta tttattcagg 300

gg'ttggatc aacc'ctgat ccaacccgat tcaatccaat taaattagat tgaatttttt 360

aagtgtttaa gtcaaattca attcaac 387

<210> 16519
<211> 370
<212> DNA
<213> Glycine max

<400> 16519

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aggaaaataa acaaatatat tcgccgagaa ataggagaga gggatttgaa ccctcaatag 120

ttctttttt cgaactatat tgattttcaa gactgaagtt gtcaaccact caaccatctc 180

tccaaaagat aatttatatt ctatatttat ttcattgaat aaaacatgag catataaatt 240

gatacttatt atgtgtgtac ccataagggt tgaacaacta ccaagggtat ggctgagaac 300

cttttcggtc aaagccaaac acccccagcc ataaccagat atcccaaggt gactaattac 360

ccctcgggct 370

<210> 16520
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16520

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agcaaaacaa gaatggtaaa tttattagtc agtcaaaata ttgcaaagaa ctaactaaca 120

agtttgggat ggaaaatgct aaacacatgg ccactcctat gagcactgcc tgctatctgg 180

ataaagatga aaccgatcau tcaatagata taaagaaata tagaggtatg atcagatctc 240

ttctttattt atttgcaagt agacttgata taatgtttag tgtttgtatg tgtgcaagat 300

acaaagcaaa tcccaaaagaa tctcaccttа gtgcagttaa aagaataatg agatacttat 360

taggcactat aaatctatga ttatggtatc ct 392

<210> 16521
<211> 345
<212> DNA
<213> Glycine max

<400> 16521

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caagttcaaa caggttgctg ataagtgtgg ggcagtgttg atgtgtgata tggctcatat 120

cagtggtctt gtagcggcta aggtgatttg aattttctgt cttttctctt tgttcttgtt 180

gaattatgtt atcgatttta tggttgttta tgcatctgaa ttagttttct ttggagtgta 240

gaggcagatg tattgtatgc tctagaacta gtatagatgg agttgataga acaatttacg 300

tgccttgtact atgaaccaac atcttcagac ttattcctgt cttat 345

<210> 16522
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16522

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ttaatccttt agaaagcgta aacatgttgt tgtgcttgaa ttatttatta aaattaattg 120

tatgtttatt ttggtatttа agcatacaat attaagctaa actaaataat ttatgcatat 180

taaattttaat ggttaagagt ttatatgttt caaatattag ataatcatat gcatataata 240

tttatttaat tctgaagttt tgtgtgtatg atttatgatt ttatacatgc ganattatct 300

tgaaatattnt atanaatatt atttggttta tttacattat ttaaaatatt atataaataa 360

ttagc 365

<210> 16523
<211> 356
<212> DNA
<213> Glycine max

<400> 16523

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ctatgcaagt tgaaaagctt ggaagaaaga ggtatgccta tgttgttgcg gatgatttct 120

tcagatttac cggggtgaac tttatcatag agagatcagg aacctttgaa gtattcagaa 180

attgagtcct atgacttcaa acagactgtg tcttcaagag aatcaggagt gaccatggca 240

gatgatttga aaacagcaag ctcactgaat tctgcacatc tcaaggcatc actcatgagt 300

tctctgtagc caatacacca caacaccatg gcatagttga acggaaaaca agactt 356

<210> 16524
<211> 388
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16524

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catgtcgaga cgctcgaaat tgataaatgg aagctcttga gcaattcaaa tggtcataaa 120

ttttcactcg tacgtccaat acaggcgcat aatatatcga gaggctcgaa attgaacaac 180

ggaagctctc gagaaattca aatggtcata acttttcact cggaggtccg attcatgtgt 240

atgacatatc gagacgcttg aaattgagca acggaagctc tcgagaattt caaatggtca 300

ttacttttca cttggaggtc cgattcaggc gcataacata tagagacgct ccaaattgat 360

taacggaagc tctagagaaa ttcaaatg 388

<210> 16525
<211> 356
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16525

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gacctcaagg tgatggcact cacatttttt ggattctgca aagtttgtga agtcaatttg 120

tcagaatttt gggactgagc ttgattcatc tgagtagcca tctgccccat ttgatttgtc 180

agactctgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240

ctcactaact cttctaagga aggttgagga ggagcctcag tttcttgttg tctttgttgt 300

gactgctgct gtattggagg aggaacatat ggcttgcttg gaccagcaac attctg 356

<210> 16526
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16526

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ccaccatttc actatctccg tgtgagggaa atttctctct ctatagacat tatttcacaa 120

atcccaacag tgaaaatttg cagaaatgag ttcctaacct ggttttcaaa tttcatgatg 180

atctaatggt taacgagttt gagatcgtag ttttactcag acaaatttgg gtgtatgcga 240

gaaaaagaaa ggattttgag agagggagaa gggaaaacga atttgagagg aagagagagc 300

gtaaagacat atcgtaaatg taaaaactaa cctaatatgt ctttatttat agttagagtg 360

atctcagcct attatttact ctatttttct taaatttata aaaagaaact ctatttta 418

<210> 16527
<211> 394
<212> DNA
<213> Glycine max

<400> 16527

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caacagtcac atctttttgt gtggttcttg aatggctatc ataggcctat atatatgtga 120

cttgagacac gaatttcata agagtttttc agaacaaaaa gatcttatcc tcttataaag 180

caaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240

ttatttgagt gctcaaatta ttcaatctat ctctttcaag agagatttct tcttttcttc 300

ttcttcattc tgaaaaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa 360

cacaaaggaa gggttgtcct tgtgtgttta gaac 394

<210> 16528
<211> 376
<212> DNA

<213> Glycine max

<400> 16528

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[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 376

<210> 16529
<211> 407
<212> DNA
<213> Glycine max

<400> 16529

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aagttattgt tgtttgaatt tgttcagagc ttcaacattc aatttcgagc ttttcgatat 120

attacgggac acaatcagac atccgagtaa aaagttattc tcgtttgaat ttgctcaggg 180

cttcggtaat ccatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240

aaaagttatt gacgtttgaa tttgctcaga gcttctacat tcacattcga gcttttcgat 300

atattacgga ctccatcaga catccgagta aaaagtgctt tgcggttgaa tttgcttaga 360

gcttctacaa tcaatttcga gcctttcgat atattacggg actcaat 407

<210> 16530
<211> 385
<212> DNA
<213> Glycine max

<400> 16530

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gccataaggg tacccacctt tgaccttctc catctcatac atgccatctc caaatgtgta 120

ccaaccggga acataaatca ttccatggag aacaagctga gtgacagagg tcaacggggt 180

ctctttcttgt acacctcctt gagaactagt gcttgagaag aaccctgcag gtttttctgc 240

tagtgcctgt gtatgccaca gccctataga gccttctaaa aatgc 285

<210> 16531
<211> 444
<212> DNA
<213> Glycine max

<400> 16531

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tgttttggtg attcttacgg gaagatggtg atgtagctcc atgtggagct tgtatgccat 120

cgatcttctt catcaatgga gtcctttgct ccttaaagca taatgacatc ggaatggatt 180

tggaacaatg atgatcggag acacctcttc atggagaaga tgaatcaaga agaaaccgac 240

caccatagga aaccatggat aagagcttga aggcttgaga acatgaatgg aggg 294

<210> 16532
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16532

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tagttactaa cattaactgg ttctcaaatt atatttataa actgggtaaa aatatgtctc 120

acaatagctt atacatttgt ttgatgccag attattgggg cctggcaaaa acctgttatg 180

gttattgtaa ctgaacttct cttatgtgga acattgcgca aatatctgcg gagtatcccg 240

gccaatgtgc tcggatgttc gcgcaacaat tggatttgct ctttgtattg cccgagcaat 300

aggaatgctt acactctcat gggatcattc accgcgacct taaacctggt attgtatatg 360

aatgtccaac ttg 373

<210> 16533
<211> 399
<212> DNA
<213> Glycine max

<400> 16533

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ccccatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaat ctttatagag 120

gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180

gccggaagtg caacaataga aaaacctaga gcagattcga ctgaggaaga aagaagatta 240

gtataaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300

tttagggttt caaattgtaa aaatcattaa gatatgtggc atacactaca agtaacacgt 360

gaaggcacaa caaatgttaa aagatctagg ataaacact 399

<210> 16534
<211> 349
<212> DNA
<213> Glycine max

<400> 16534

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gcgcggccac aatgttgtaa gcactgagag tgatggttat gccatagcag aacttggcac 120

acagctcaaa tgcttccacc ccaccggaa aatcacggag tcggactatt tggtgctgtg 180

gagaatcaga actctctgag cataaccttt gcaggcgcaa acatttggac aatagtggaa 240

actgaacaac atcatgaact tgtgtgacta agcaatataa agattgaaca agtcttgttc 300

aaaacacaaa atggactgag atatacaact tgaagagctt ctaattttc 349

<210> 16535
<211> 387
<212> DNA
<213> Glycine max

<400> 16535

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ggtgaagaag aatgtggcat ttacctgggg tgaaaaacaa gagcaagcct ttgctttgct 120

caaagaaaag cttactaagg cacctgttct agctcttcct gacttttcta aaacttttga 180

gctaaaatgt gatgcctctg gagtgggagt tggagctgta ttgttacaag gtgggcaccc 240

tattgcttat tttagtgaaa aacttcatag tgccaccctc aactacccca cctatgataa 300

agagctttat gccttaataa gagccctcca aacttgggaa catacctttt gttccaagga 360

atttgtcatt catagtgatc atcaatc 387

<210> 16536
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16536

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ctttngccgt aggatatgat gcaatcctac ccctcaaggg cattggatag aagactccaa 120

gaagattggg ccagagatgc aagagaaggc cctaagattc tcatgagccc tatggtagat 180

tttgggccca tggactaagt atgagcccac ttatctttgt acatattaga ttacgatttc 240

attatttta ggccttgtat ttagagctcc ataatgtang tagggtaccc tagaaatgta 300

ngatttttca gccttgtat tttatggcac ctagactagt ttttgtatta ngggtaagtt 360

tgaatttcac atg 373

<210> 16537
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16537

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ctggtttagc cccatcctct aaatttatcc gatgcataca tgtggatggg gtaataccag 120

gaatgtccgc cagggtccag cctatagcct tcttatgctt cttgagaact gataacaact 180

tctcctcttg ctcatcagca agggaggcat atataattat tggaaaactt ttgctatcat 240

ccaagtaagc atattttaaa tttgatggta gaggcttcaa ttctggtgtg ggcggctgga 300

taatggtaga aagagatggt ttctcagcct gtacctcata aagaaagtca gaggtatgtg 360

tacttcctga aacatggtta gttctatctg actctagana atctatctca ag 412

<210> 16538
<211> 388
<212> DNA
<213> Glycine max

<400> 16538

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gcatgaacac ggacatgctg ctgcagttgt tctttaaagg cacagagcaa cagaacataa 120

tgggtctgca acaaacaaaa taacaaaact cataaaaaac aagctcttca cattaacatt 180

taagcacatt aatttaagaat gagaaacaaa acttttcaaa aggatcagag ctgagaagga 240

ctatgtaaat acaagtgtca atacacccca agatgccaaa cttatataaa tgtccctaca 300

aagttaacaa aatgttatag tgattcagta ctccaatcat tatatgtaga gtggatatta 360

agtcagaatc aaatcttaac tttaatat 388

<210> 16539
<211> 360
<212> DNA
<213> Glycine max

<400> 16539

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ctaagttcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc atatggcaaa aaaacatgaa aatacaaaaa aaaaagtccc tattacaaag 180

actactcaaa atgccccgaa aatacaaggc taaaacccta tactactaga atggccaaaa 240

tacaaggccc aaatgaagga aaaacctatt ctaatatttа taaagataag cgggctcata 300

cttagcccat gggctcgaaa tctaccctaa ggctcatgag aaccctaggg ccttcccttg 360

<210> 16540
<211> 401
<212> DNA
<213> Glycine max

<400> 16540

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attcttagtt cataatggtt tctctagagg aatagtagac actacactat ttagaaagac 120

tcgtaaagag gatcrgctaa ttgtacagat cgatttatgt agataacatc atctttgggg 180

ctactaaaga aataatgtgc aaagaggttt atgagctgat gaaagaagaa tttgaaatga 240

gcatgatggg agaactaaag ttctttatag gacttcaaat cattcaaaaa tatcatgaca 300

tttttatcca tcaagagaaa ttcaccaagg accattcaaa gaggttcata atggatgaag 360

ctaaaccaat agctaccccc atgcatccat ctactgtcat t 401

<210> 16541
<211> 325
<212> DNA
<213> Glycine max

<400> 16541

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ataactctct gtttgcttcc gtacatctga gggatctaca tggtaaaaaa ctgggaaaac 120

aagttgtttc atctcactga tcttggactg ctccaggatc ttaacaagtt catcaaggca 180

ccatgtggag gatgcgtagt tcttagaaaa cacaatgatt aaaatcttag attcttcaat 240

ggccttggat agagaaggtg aaataacatt ccccaccggc aggtccctat catcaaagaa 300

aattttcatc cctttccgg acaac 325

<210> 16542
<211> 390
<212> DNA
<213> Glycine max

<400> 16542

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ttggttgatt ccagagccat ctattccttt atatcctgtg tgtaagtaga aaaacttaag 120

ctttttctgtg tcttctttaa ataaagatct agtggtggag acccctacta gtggctatgt 180

gataacttct tatgtgtgtt tgaaaagtcc tgcggagatg tctaggagaa cattcttgat 240

tgatttgatt tgtttgcctt tgaaccagat tgatgttatt cttggtgtgg actggatatc 300

ttccaaccat gtcttgttaa actgtattga taaaagagtg gtgttcgatg attctgtatc 360

cgagtaagat atgaagttga tctctgccaa 390

<210> 16543
<211> 390
<212> DNA
<213> Glycine max

<400> 16543

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tgattttacc aacatcattt tctgaaaaca caaagctacc ggatatatcc catagctcca 120

cagtcccctc atcatgcaag gtcacgaact tgacaccagt aagaatgaga ttcttcacag 180

cagacaggaa gtaaacttta ttagaattca aaaacatgat ttaaaattat agagttagca 240

ctatcatctt taaagcttga agctaaatat cacaaccatc aaacaaaaaa tcaagtcaca 300

tacaaatgat aaaattataa cctaagttaa caaaaaaaaa ttacaactgt caactggtaa 360

tcaaggttta aaaaaaaaag tctgcaacat 390

<210> 16544
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16544

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ataatttctt catttggttt tgataaaacc ccatggatca atgcatatac cacaaggtta 120

acgagagtaa aatatgtttt cttgttttat atgtaaatga tattttactt gcagccaatg 180

atcggggttt gctacatgag gtgaaacaat ttctctctaa gaattttgac atgatgggta 240

tgggtgatgc attgtatgtc attggtattt agattcatag agatagacct caaggtattt 300

taggttcatc ataggaaacc tatattaaca aaattttaga gagattgcag atgaaagatt 360

gttcactaag tgtcgctccc attgtgaagg gtgataggtt taatcagaac caatacccca 419

<210> 16545
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16545

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tcacgtgctc atgcaacaat tgttagccat ggctatgcga gacatcttgc caaacaaagt 120

caggttaacg ataactcgcc tgtgcttttt cttccatgct atatgtagca aagtcattga 180

tccagtaatg tttgatgagt tggaaaatga agccacaatt atactgcgcc tgttggagat 240

gtatttttcc cctgctttct ttgacatcat gattcacttg attgtgcatc tggtcagaga 300

aatcacatgt tgtggtcctg tntatctacg gtggatgtac ccggttgagc gatacatgaa 360

gatcttacta gggtatacag agaatctata tcgtacagaa gcatcta 407

<210> 16546
<211> 381
<212> DNA
<213> Glycine max

<400> 16546

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catttgcttc caaagtttca tggccttgca ggtgaacacc cgcacaaaca tttgaaagaa 120

tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180

aaggcttttc ctcattcatt agagggagtg gccaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttacg agagtattct tagagaaatt tttccctgct 300

tccatgacca cagccatcag gtaagatatc tcatgtatta gacaactcaa tggagagagc 360

ctgtatgagt actgcgagag a 381

<210> 16547
<211> 308
<212> DNA
<213> Glycine max

<400> 16547

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atgctcgata gatgatgaac agagctttct tgcctctctc tcttgaatcc ttaaaagtac 120

ttcnttggtg ctggaatat tgaagtctca tgttgcggct ccttatagcc ttttttcaacc 180

atttcccaca cattatgtgc tccaagacgg gcttccattt tgatgctcca attgtcatac 240

gtgccccccc atacaagtgg aacttggaag gatgacgtcc atttcttaca ttactctaga 300

ggaatttc 308

<210> 16548
<211> 384
<212> DNA
<213> Glycine max

<400> 16548

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gatatcttaa gaaggggggg ttgaattaag atatttcaaa ctacttaccc aatttaaaaat 120

ctatttcact ttttattcaa gttataaaat ccctttaacaa tgaacttctt aaatattaat 180

tcaaatagaa aaattttgaa tatgaatata aagcaatgat aaacaaaagga ctttaagaga 240

agagaaagtg caaactcaga tctatactgg ttcggccaca ccctttaatga attgagcact 300

caaatgattc ctttaatgat tgcaattgaa ttggccaagg aattcttaag aggataatat 360

gattttgctc tttgatagga caaa 384

<210> 16549
<211> 373
<212> DNA
<213> Glycine max

<400> 16549

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gtatattatc ttttttgcat tgtgaagcac gcaccgagct tctgttttca atttcgagca 120

ttgtgatgca ttacgtgact aaatagaaca ttcaagtaaa atgctattgc cgtttgcatt 180

tgctacaagc ttctgagtta aaagttattg cagtttgcat ttgctacaag cttccgcttt 240

caacttacgag cgtctcgata tattactgga ctcaatcgat catcagagca aaaagttatt 300

gtcgttagaa tttgttcagt gcttccgttt tcaatttgga gcgtatcgat atattacggg 360

actcaatcgg aca 373

<210> 16550
<211> 375
<212> DNA
<213> Glycine max

<400> 16550

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ctcaattagc tctgttgctt ctttcgggga cttcagtttt atctttcccc ctgtacaagc 120

atctaatagt tgcttggttt gtggtctcaa cccatataca aacatattca attggattgg 180

ctaaaaaaac ccatgagtgg gagttttttc taacatgcct ctgaatctgt ccaatgcttc 240

actcagagat tcatcacgaa actgatgaaa tgaaaaaatt gcagcttatc cttctacaga 300

cttggactct gggaagaatt tctttaggaa ctcttcaaca acttcttcct acgttttcag 360

actgataccc ttaca 375

<210> 16551
<211> 331
<212> DNA
<213> Glycine max

<400> 16551

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catatcttga taataatttg agaattacat atgcgctaga ctttgaaata ttgtatttat 120

tagggtacgc tctctgatgg acaagaaatt gctattaaaa gattgtttat caattctaac 180

caaggagata cataatttaa gactgaaatt tcgctaacag gaaagcttta gcaccgaaac 240

ttaattacac tacttggctt ctgctttgct aaaagagaaa gatatttgat tatgagtttg 300

ttcccaataa aaacctagat ttattatatt t 331

<210> 16552
<211> 384
<212> DNA
<213> Glycine max

<400> 16552

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ctatacgaga catcttgcca aacaaagtca ggttagcgat aactcgcctg tgcttttttct 120

tccatgctat atgtaggaaa gtcattgatc taatcaagtt tgatgagttg gaaaatgagg 180

ccgcaattat actgtgccag ttggagatgt attttccccc tgctatcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatattg tggtcctgtt tatctacggt 300

ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360

gtccagaagc atctattgtt gaga 384

<210> 16553
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 16553

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atggtcgtca ttgaagctca aatatcccagc ttccatagaa gcccccacaag caagcttcca 180

tcagtattgc aattaaaaat gatcctttct aatgacctgg ttgagccatt ttgaattaat 240

ttagtcttc caactgttct gcaccaaagt aaaaatcagc tcttccttct cattattttat 300

cacggtgagg ccggttttct tcaggattac ctggacagaa ctcaccatt ggctgtcgga 360

gatatggataa atgattccag ttngcaaaag cttggttacc tccttcttca ctacatcaag 420

aatca 425

<210> 16554
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16554

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ccaacaaca atgacatcaa tcgcctacta caaattggag atggacaagg gtttccaggt 120

atgttaggtt ttattgattg catacattgg gagtggaaaa attttctgtc agaccctaat 180

tttgtccaag gacaatcatt catggatatt ttgattctcg ctagccaaat tgagctgttt 240

gacaccagtt accgcgcaag acgaaagatc attcgatgtt ttggtcaagg gtgtgaaaga 300

tactaaaagg gaggggcaaa agggtctttt canggttatt tctagaccct ggctcgccca 360

ggctagcctt tggctct 377

<210> 16555
<211> 384
<212> DNA
<213> Glycine max

<400> 16555

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ctcctctcca tcaaacgaag aggcttgatt ccaucagatg actctctttc ctgcatgacc 120

cgtgtgacaa acacatagtt ctgaaaggtg taggcatacc gttgcggctc ggcataaaaa 180

gcatccaaaa tgttaaagtg atcaggtcca acatcctgcc acttgctaat gggttcatga 240

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gtcttgccaa cgctaatgtt accctcaaca cagaatgtta agcgcttctt ctgaacagag 360

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<210> 16556
<211> 408
<212> DNA
<213> Glycine max

<223> Insure at all n locations
<400> 16556

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aacttgtaat gtgtgtttga attgtcctgt ggaaatttct ggcagaacat ttgtgattga 120

tctaattttgt ttgccctta gccaaattga tgttattcta ggtatgaact ggttatcttc 180

caaccatgtc ttgttaaact gttttaataa aactgtggtg tttgatggtt ctggagtaag 240

taaggatatg atatttatct ctaccaacca agttgtgaca tctttaaaag aagattctca 300

agtgtacatg atcttgtcta acctagaaat aaagaccaag gtttccatgt gtgaccttcc 360

tgttgttaga gagttctctg aagtgttccc tgaggatata tctggtct 408

<210> 16557
<211> 417
<212> DNA
<213> Glycine max

<400> 16557

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aagttattgt cgtatgaatt ggcttacagc atagacattc aactttgagc ctctcgatat 120

attagggac tcaatcagac atccgagtaa aaagttattg tcgcttgaat ttgctcagag 180

gttcaaaatt caattttcgag cgtatcgata tatttcggga ctcaatcaga catccgagta 240

aaaagttatt gccttttgag ttggctcaga ggttcaacat tcaatttcga gcgtcccgat 300

attacgcca ctgaatctga catccagga aaaagctatt gtcgctagaa tatgctctga 360

gcttcaacat tatattacga gcgtcttcat tttttcggg actcagtctg acattcc 417

<210> 16558
<211> 382
<212> DNA
<213> Glycine max

<400> 16558

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attaaggaat gattacatat cttgtattac caaatgatag aatttttac gaacatccaa 120

taattgcatt gactaataaa taaatattta actataacta attattatat ataaaagaaa 180

taggatgttt agatgtacat tgtattatat ctatttttatc tttataacta tattcataac 240

ttattatttg atttatatta ttacctgata taatcacccg ctaactaatt attatttttc 300

attgaataaa taaacatgaa taaacagtta cacgtgcatg tttattccta aaatgttata 360

ataatatgtc attacctcaa ca 382

<210> 16559
<211> 423
<212> DNA
<213> Glycine max

<400> 16559

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aatcagataa agcatctgag acctgctgcc atgtggtatc aacaggaggc tgccgccgag 180

catcgccagc atcaaaatcc agtacaccat aatccctcaa ccgaatctac acagcaataa 240

ctaaaatcag aagtcttttt gaggattaaa tgcatggcat tatctataag acacattttt 300

caaattgaga caaacccgaa ggaaggcacg gattctttgc aaattcccaa caccaccacc 360

aagagcagcc taccattaga taaaaaagca agcagaaatt aagtgttgat aacaaataca 420

aat 423

<210> 16560
<211> 361
<212> DNA
<213> Glycine max

<400> 16560

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attaaaagtt atggttgttt atattatcca tgtgcttcaa tgttcaattt ttagcatctt 120

gatatattat gcagcttaat cgggcatctg agtgaaaagt tatgtcatac gagttagccg 180

agaacttcgt tgttcgattt cgaggatctt gacctatttt ttgcctgaat cggacattag 240

agtcaaaagt tatggcagtt taaacttttc atgtgcttcc atgattaatt ttgaggcttt 300

ttatatatta tgcacctgaa tcggactact gagcgaatag ttatgccata tgagatagct 360

g 361

<210> 16561
<211> 387
<212> DNA
<213> Glycine max

<400> 16561

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gccacactat tatgatctgg agaactatgc atagtgtatt ggacaacaat cccatgttct 120

tgaagaaatt tcgcaaatga acctggtgct tgtccatcct ctgtgtatct accataatac 180

tccccacctc tatctgatct cacgatctta atttgttttc cacattgtat ctcaacttca 240

gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtatagatac 300

atatatcgtg aataatcatc tatagaggtt atgaagtatt tcggacaata tgcattcatg 360

tctggacaac atatgtcttg tatgtat 387

<210> 16562
<211> 421
<212> DNA
<213> Glycine max

<400> 16562

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aacaattatg acgtctccag caacaggtac aatctcgggt ggaggaatca tcctaacctt 120

agatggtcga atccttcaca acagcagcaa caacaacaac agccttattt tcagaatgct 180

gctggtccaa gcaaaccata cattcctcca ccaatccaac aacaacaaca gcaacagccc 240

cagaaacaac aaacagttca ggctgctccg caacctttcc ttgaagaact tgtgagacaa 300

atgactatgc aaaacatgca gtttcaacaa gagactagag cctccattca gagcttaact 360

actcagatgg gacaattggc tacacagtta aatcaacaac agtcccagaa ttatgacaga 420

t 421

<210> 16563
<211> 414
<212> DNA
<213> Glycine max

<400> 16563

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catatttata agagaccaac caaacacaaa gcaaccacag cttaaaacac ccgtaacaaa 120

tcctagaaca tttgaatttg caaaggcggg ccatgaccac tttattctaa aacttcaaac 180

acaacacata cttattattt attgatacat gtattacagc tatctctgct tgaaggttat 240

gcatgttgat ctcacttgca gctgcatggg tcgcaagtgc agtttgatcc acagttgcag 300

ccaccgttct cagctgcaac acccatttca gcaccctcga attgggcctt caccggccca 360

acacccaaaa ctagagtctc atttgtgatc ttctcaacgt agtcaaaaga gtac 414

<210> 16564
<211> 375
<212> DNA
<213> Glycine max

<400> 16564

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taaggaggta cctttaggat accacataag caaacactta gcatgatatc caatctactt 180

gcagttaggt agagaagtga ttcaatcata cctctgtatc ttgattcatc cactaattta 240

cctttctcat caaagtcaag gtaggttgat gtagacatag gagtagatgc ttctttgcat 300

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ccatgtttca attgc 375

<210> 16565
<211> 386
<212> DNA

<213> Glycine max

<400> 16565

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attaactgt ttttgggctt ggcggccacg atcaacaaag tactttgggc acctatgtta 120

aacaaatggc ctcagttatc ttaagaaggg ggggttgaat taagatattc caaactattt 180

cgcctaatta aaaatctatt tcacttttta ctcaagttat gaattcccct aatgacaatc 240

tncttaaata ttaattcaaa tgaaacaatt tgaatatgaa tataaagaaa taataaataa 300

aggagattaa gggaagagaa aatgcaaact cagttttata ctggttcggc cacacccttg 360

tgcctacgtc cagtcccaa gcaacc 386

<210> 16566
<211> 424
<212> DNA
<213> Glycine max

<400> 16566

ttcgacctct tgaaaaagac gctaataatt gcaccagtta tagtggctcc caattagggg 60

caagaatttg aattaatgtg tgatgctagt gactatgcgg tagagtagta ttaggacaaa 120

agagaaatgg aagatttcat gctatctact atgccaacaa agtgctaaat ggagcccaaa 180

ccaactacac aacaacggag aagaagatgc tagcagtgtt tatgcccttg aaaatttttg 240

atcatatctt gtaggatcaa agatcattgt gcaaactaac catttagcta taaaatatct 300

actcgctaaa gcggattcga agccaagatt aattagatgg gtcctgctac tacaagagtt 360

tagtttagag atttaagata aaaatgggtg tgacaaccta gtagttgatc ttttatcgag 420

acta 424

<210> 16567
<211> 413
<212> DNA
<213> Glycine max

<400> 16567

agctggtttg gaagcttgag atgagtttgt tggaccaagt ggcctcggaa taattaagaa 60

ggggggttga attaattatg aacgtgtctt agctaattaa agaattatcc ttcttaatat 120

tactagattc aatgaagctt tacaactaag ttatgagaaa gtaaagaaca gaaacaataa 180

cttagacaaa agtaaagcag aaataaaaag tgcacagcgg aaaataaaga gtgtagggaa 240

gaagaagaca aacacaagat ttatactggt tcggccacaa cccgtgccta catccagtcc 300

ccaagcaacc acccgatttt gagatttcca ataaccttgt taaatccttt acaagcaaag nn

ttccacaacg gatgtatcct cccttgttct ctttgaacta ccaagtggat gta 413

<210> 16568
<211> 423
<212> DNA
<213> Glycine max

<400> 16568

tcttgctgat gtcatagtct tgaagtatgt ctatgatacc aaaaaacaaa accacctcat 60

agaactctcc aattggttct cctacaagtt gtaattcaca accacttctc ctcaccgtcc 120

ttttagcccc tgctggcatg ttcaccccca atttgatact cgcccaactg ctaacacaaa 180

ttagatagat gtaatatcca acaagacatg acttaagtaa taatggtcag ccggagctcg 240

ggaggaggtt ttaagataaa ttcgtagaag caaggtacaa aatatacaac catattaaga 300

aattaaatat gccttacatc atgttgaaat attaattttt ccaaattcaa ttgaacttaa 360

ttatgccaat gtcaagatga aaacaaaatg tgcattatat tggcaaccta tataaagaga 420

aag 423

<210> 16569
<211> 420
<212> DNA
<213> Glycine max

<400> 16569

tatgctgcaa atatttacaa tagacctcct caacctcagc agcaaaatca accacagccg 60

aacaattatg acctctccag caacagatac aaccctggat ggaggaatca ccctaacctc 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgctgtt 180

ggcctaagca gaccatacat tcctccacca atccaagaac aacaacaacc ccagaaacag 240

ccaacagttg aggccccttc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300

cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360

ggacaattgg ctacccaatt gaatcaacaa cagtcccaga attctgacaa gcttccttct 420

<210> 16570
<211> 426
<212> DNA
<213> Glycine max

<400> 16570

tgaaggcatg taacccacaa tcttttcata gtagaactga tgcaatccta ccctcccaag 60

ggaattggat agcagactcc aagaagattg ggccaaagat gcaagagaag gccttaggat 120

ttccatgagc cttagggtag attttgggcc catgggctaa gtatgagccc acttatcttt 180

ctacatatta gattaaggtt tcattaattt ggggccttgt atttaaggct ccataatata 240

ggtagggtac cctagaaatg taggattttt cagcccttgt attttagggc acctagacta 300

gttttgtgat tacgggtagt tttgtaattt cacatgcatt aagtgaatat ttgatgtgtg 360

cgttgagaaa taaatctaat tgaattggga gaagcccaat ccaattataa tttagagggg 420

gaggtg 426

<210> 16571
<211> 333
<212> DNA
<213> Glycine max

<400> 16571

agcttctcaa tatattatgc gcctgaatcg gacttccgtt tgaaaagtta tgaccatttg 60

aatttctcga gagcattcgt tgttcaattt cgagggtgtc gatgtattat gcgcctgaac 120

cggacttccg tgtgacaagt tatgaccata tgaatttctc gagagctttc gttgttcaat 180

ttcgagcgtc tagatatagt atgcgcctga atcggactta cgtgtgacaa gttttgacca 240

tttgaatttc tcgcgagcag tcgtggttca atttacacct tctcgatata ttatgcgcct 300

aaattggact tccgtttgaa aagttatgac cat 333

<210> 16572
<211> 416
<212> DNA
<213> Glycine max

<400> 16572

tctcgatata ttatgcgcct gaatcggatg tccatttgaa aagttatgac catttgaatt 60

tctcgagagc atccgttgtt caattttgac cggctcgata tattatgcgc ctgaatcgga 120

cttccgtgtg ataagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttca 180

agcttttgga taaaattatg accttgaatc ggacttccgg tgaataagtt atgaccattt g 241

aatttctcga gagcttccgt tgttcaattt caaagcttct cgatattatt gcgcctgaat 300

cggacttcca tttgaaaagt tatgaccata tgaatttatc gagaacaatt gtagttcaat 360

ttcgaccgtc tcgatatatt atgcgccata atcggacttc cgtgtgacaa gtcatg 416

<210> 16573
<211> 390
<212> DNA
<213> Glycine max

<400> 16573

agcttccttt agaaaaattcc taaagaagct agagcttagc aacacacaca tctctaatag 60

ctaagctcac ctccttgaga tgagaagcta gagcttagct acacacccac tataatagct 120

aagctcaccc ccatgacaaa aaaaagatga aaatacaaaa aaaaaagtcc ttactacaaa 180

gactactcaa aatgccccga aatacaaggc taaaaccctа tactactaga atggccaaaa 240

tacaaggccc aaacgaagga aaaacctatt ctaatattta caaagataag cgggctcata 300

cttagcccat gggctcaaaa tataccctaa ggctcatgag aaccctaggg ccttcccttg 360

gatctctagc ccaatctact tggagtcttc 390

<210> 16574
<211> 420
<212> DNA
<213> Glycine max

<400> 16574

tccattgttc aatttcgggc ttctcgatac attagacgcc tgaatcggac ctctgagtta 60

aaagttatga ccatttgaat atctcgagag cttccgttgt tcaaatttcaa gcgtctctat 120

atgtgatgcg ccttaatcgg acttccgagt gaaaagtaat gaccatttga atttctcaag 180

agcttccgct gttcaatttc tggcgtctcg atatattatg tgcctgaatc cgacctccga 240

gtgaaaaatt atgaccattt gaatatctcg agaacttccg ttgttcaatt gcgagcgtct 300

ctatatgtga tgcgctcgaa tcggacgtcc gagtgaaaag taatgaccat ttgaatttct 360

caggagctta cgctgttcaa tttcgagcgt ctcgatatat tatacgcctg aatcggacct 420

<210> 16575
<211> 360
<212> DNA
<213> Glycine max

<400> 16575

agcttaaaca ttcaacttcg agcgtctcga tatattacga gtctcaaaca gacatccgag 60

taaaaagtta ttcgtttgaa tttgctcaga gcttcaacgt tcaatttttga gcgtcttgtt 120

atattacggg actcaatcag acatccgagt aaaaagttat tgtctttttgg attggctcag 180

aqattcaaca ttcaatttcg agcgtctcgt tatatcacgg gacttcaatca gacatccgag 240

taaaatgata ttgtcccctg aattggctca aagcttcaac attcaatttc gagcatcttcg 300

atatatgacg ggactcaatc agacatccgg gtaaaaagat attgtcgttt 348

<210> 16576
<211> 384
<212> DNA
<213> Glycine max

<400> 16576

agcttatcaa gaggatgtaa tttagttatt ttgcatgaat tgttgcaaaa ctcacatact 60

tgagttcaat ttttatgaat aaaaaaaatg tttaaagcta attacacact tcaacaacaa 120

ttatatttat tgtaatgaga atgggacaaa ttcaatgaat tattgtaaat tcatttaga 180

atattttctt aataatcttc taacttatta aattaagaaa tattcattgt ttttatattt 240

atcaatttaa taatatggaa taaatttaac gaattattgt acgagacaaa agcttgcaac 300

nttnacctta gtgattcata attataatta ttaatgtgtt gataagaaag gtaggaatat 360

aggtaaaaat gcactacaag ataa 384

<210> 16577
<211> 416
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 16577

tgtaatcgat tacacaaata ctgtaatcga ttaccataac agattttcag aaaatattct 60

caacagtcac atcttttttat gtggttcttg aatggctatc aaaggcttat atatatgtga 120

cttgagacac gaatttgcta agagtttttt agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcgtt ttatcctctt acaaattcat tggccaaaac acttgtgatt caataaggaa 240

ttatttgggt gctcaaattg ttcaatctat ctctttcaag agagattact tctctcttcc 300

ttctttattc tgaaaaagga ttaagagacc gagggtctct tgttgtaaag aaatttgaac 360

acaaaggaag gattgtcctt gtgtggttca gatcttgtaa tanggtttta caagat 416

<210> 16578
<211> 351
<212> DNA
<213> Glycine max

<400> 16578

agctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgcc 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcacg cgacaatatc 120

tttttactcg gatgtctgat tgagttcttt aatataacga gacgctcgaa attgattgtt 180

gaagctctga gcaaattcaa acgacaataa ctttttttctc ggatgtctga ttgagtcctg 240

tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300

actttttact cggatgtctg attgagtcct gtcatatatc gagacgctcg a 351

<210> 16579
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16579

ntaacttaat caattcaaaa gccttttgtg cttgttcatt ccacccaaac gcacccttct 60

tcaaacattc ggtcatagga cttgctatag tgctaaaatt ctggataaag cgtcgataaa 120

atgatgcaag accaaggaaa gatctcacct ccgaaactgt tgtagggctc ggccaagtct 180

tgatagcatc cacttttgtt tgatcaacgg atactccatc tttagacacc acatatccaa 240

gaaacaccac actttcaacc aagaaatcac acttttccct cttcccatag agttttgtg 300

ctcttagggt ctcaaatatt tgtttcacat gagtgaaatg ctcctctata gatttgctat 360

acaccaatat gtcatcaaga taaacaacaa caaacttacc caca 404

<210> 16580
<211> 416
<212> DNA
<213> Glycine max

<400> 16580

tngagaaaat tcaaacgaca ttaacttttt actccgatgt ccaattgagt cccataatat 60

atcgagacgc tcaaaattta aaaaagaaac tctgagcaaa ttcaaacgac aataacattt 120

tacttcggatg tccaattgaa tcccataata tattgagacg ctcgaaattt aaaacagaag 180

ctctaagcaa attcaaacga caataacatt ttacttcggat gtgctattga gtcccgtaat 240

atatcgagac actcaaaatt taaaacagaa gctcatagaa aattctaacg acaataacat 300

ttttacttcggt tgtccgattg agtcctgtaa aatatcgaga cactccaaat tgaaaacaga 360

agctccgaga aaattcaaag gacattaact ttatacttcgg atgtcttatg gagtcc 416

<210> 16581
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16581

tcaagaataa tgacctcagc aaacttctta ttcttatatt gattctcaat aaattggcct 60

cccatttttа atggagaggg ttaccactac tggaaaatcc gaatgcaaat tttcattgag 120

gcaatagatt taaacatttg ggaagccata gaagttggac cttatgtacc caccatggtg 180

gctggaaata caacaataga gaagcctaga gaagagtggt ctgaagaaga aagaagatta 240

gtgcagtata atttaaaggc taaaaacatc attacctctg ccctaggaat ggatgaatat 300

tttaaggtgt caaattgtaa gagtgctaag gatatgtggg acactctact aggtacacat 360

gacggaacaa atgatgtcaa aagatctacg ataaatactn taactcatga gtatngaatt 420

attangatga agacaaatga gagtatacaa gata 454

<210> 16582
<211> 449

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16582

[illegible] 60

[illegible] 120

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tgacactctt aaggaagtta actaacaatc cagagaccaa ttcgaagcct cggaatattg 240

ctttttattgc ccaaagacta tcatgagtca cctgtcccac cataactgaa tcatcagtgt 300

attggagaat tgagtattgg aactcttctc caactttcat acctttgaat agtcttttct 360

ccaccgtgct atgaaccgcc ccgttagacc ttgagcagct atcaagaaca naaatggaga 420

caacggatca cctgcttca agcctctta 449

<210> 16583
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16583

agcttaatct gttttctctg ctctttgatc ccgtgaaaaa aaaaatggct ggagatgaag 60

aaaagcttcg aatagtgtga tgtttccatg gctagccttt ggtcacatga tcccaaacct 120

tgagctggcc aaactcattg ctcaaaaggg tcaccacgtg agtttcgtat ccacccaaga 180

aacatagagc gtcttccaaa accgtcacta aacacacttg atatcaattt cgtgaacctt 240

ccactgccta aagtccaaaa ccttccagaa aacgcagaag ccaacactga catcccctac 300

gacgtctttg aacacctcan agaagcctac gacgttctcc aagaaccgct gaaacgttnt 360

ctcgaatctt ccanacccga ttgagtcttc tacgacttcg ctccc 405

<210> 16584
<211> 409
<212> DNA
<213> Glycine max

<400> 16584

agcttgcctt gcccattgat atattcgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggncttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagttngg caacgtaagt atgggggcat tagttagctg ttgcttaaga 300

gtattgacag gtcttctttg ttttcttcca cattgtaaat caacatattt cttgagcact 360

ttattgaggg gtggctgcca tgtgctaaaa tccttcacaa atcgtctat 409

<210> 16585
<211> 460
<212> DNA
<213> Glycine max

<400> 16585

actaagctcg aattgaaaat ggaagctctc agaaaatcaaa ttgtcttact tttcactcgg 60

attgccgatt caggtgcata acatatcgag acgctcaaaa ttgaacaaca gaagctctcg 120

agaaattcaa atggtcataa gttttcacat ggatatccga ttctgtgtta taatatatcg 180

agacggtcga aattgaacaa cgactctaga aattcaaatg gtcataactt ttcactcgga 240

tgttcgattc aggcgcataa catatcgaga cactcggaat tgaacaatgg aagctctcga 300

gaaatacaaa tggtcataac ttctcactcg gatggccgat taaggcgcat cacatatcga 360

gacgctcaaa attgaacaac ggaagctctc gagaaattca aatggtcata acttttaact 420

cagatgtccg attcggggat aaaatatatc gagacgctcg 460

<210> 16586
<211> 394
<212> DNA
<213> Glycine max

<400> 16586

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tcaccattgg gagatataat gacaaggtgc tgtgtgatgt ggtcccaatg gaagcgaccc 120

atgtgctgtt aagaagatcg aggcagtatg ataccaaggc agtgcatgat ggcttcacca 180

actacatctc tttctagcga gctgacaaga agattgttct caaaccgtta tctcctcaag 240

aggtttgtga ggatcagata aaaatgaaaa atatgatgaa gagtgagaca ctcgagagga 300

aaaagagtga gacacttgag aaggataagt gaggaaagag aaagagtgaa acacttgaga 360

gggaaaagag agaatacata gagagtgaaa cact 394

<210> 16587
<211> 411
<212> DNA
<213> Glycine max

<400> 16587

ttcttgtcgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgtgtcggct agttactcaa gggaattgaa attcaagctc caaaaactaa 180

cccaaggcaa caagggggtt aagaagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaagattga agaagatgat aaggtaacta tgggtcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg tttcacaaag 360

caatccaagt agagcaacaa ttaaaaagga agggagtggc taagaggagt t 411

<210> 16588
<211> 443
<212> DNA
<213> Glycine max

<400> 16588

ttatatacac aaaccaaggt accatgagag tgtttcatat cagatacaag aacaatgctg 60

ataagaatta cacttactcc agtgaacaca gttatagcat cttcggcctt agaaccatca 120

gttggatatg actcacgcca tatctgccaa acacctatca cactaaattt tggcaaaaac 180

tcaaccttcg acatgacata taaattctta gccacaataa aatatttaaa atggatactg 240

tctatttaga ggccactata acaaaagtta agagttctta tctcttgttt tagtaatgta 300

tcttcttcgc aagcagaagt gaagataata tattaccgtg gagcctgcat agagaggggc 360

cattaaacca ttgaaaaacc catgaacatg tatattatat atgttaagga ctgacgtaat 420

aaagatatcc caaatgtttt aaa 443

<210> 16589
<211> 411

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16589

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 411

<210> 16590
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16590

actcaagcta caagacaaag atggcctcaa caaataccaa tcaccttatt gaattctatc 60

aatagacctc caatctttaa tggagagggt taccactact ggaaaacccg aatgcaaatt 120

ttattgaggg caatagatct aaatatttgg gaagccatag aaatagggcc ttatataccc 180

actacagtag aaagagttac aatagatggt agttcatcaa gtgaaaacat aactatagaa 240

aaacctagag atagatggtc tgaagaggat agaaaacgag tacaatacaa cttanaagcc 300

aaaaacataa taacatctgc cctgcgaatg gatgaatatt tcagggtttc aaattgtaag 360

aatgctaagg aaatgtggga cactcttcga ttaacacatg aaggaactac agatgataaa 420

aaatctagga tatatgcact aactcatgag tatgaatta 459

<210> 16591
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16591

agtttcttca tcagaccact tccagggtgc tggaactact tcacatggat ttgatggggc 60

ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

tcagatttac ctgngtcaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180

agttgagtct aatgacttca aaagaaaaag actgtgtcat caagagaatc aggagtgacc 240

ttggcaaaga atttaaaaac ttcaggttca ttgaattctt cacatctgaa tccatcactc 300

atgagttctc tgtagccatt acacaaaaac agaatgggat agttgagagg aaaaacagga 360

ctttgcaaga ggctgctagg gtcatgcttc atgccaaaga acttccctat aatc 414

<210> 16592
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16592

tgtaagattt gcaagatcat cttccttgac aacttccttg aaaaagattg ccgtcaatat 60

gaagagagaa caatttagag agtgatcgaa gactttcaaa tggatttcca ctgaatttat 120

tcatagagag atcgagatat cttaatgatg aaagttttcc aaatgatcta ggaagagcac 180

caccaattga gttgttggaa aaaagtaacg tgtcaatatt tttaaatgcc ccaatatgat 240

ctgtcagatt gcctgaaagt cgtgaactct gaactgcaag tcttgtgagt ccatgggaaa 300

tacaaggagc aagaatttct aaaagttcat taacctgttg gttgagtttg agatatgata 360

aatctatcac ccttaagttg cagagattac ccanagaagt tggaatgttt ccttcaagtt 420

gattatgtga taaatcaagt tcaacaagag 450

<210> 16593
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16593

ttatcccatg cttctttggc cgtcgttgcg ttggatatct tctcaaatgt atcttcatcc 60

accgattgat aaatgagaaa gagagctttc ttgtctctct ttcttgactc cttcaacgtc 120

tcctttacac cttggcttag caaggcttca tcttgctcct caaagtcatt cttctacgata 180

tcccacacat cttgagctcc tagtagcgcc ttcatcttga tactccaatt atcatagttg 240

ttctttgtga gcatcggcat ttggaaagga aaacctccat tcgccatctt ttgaggatct 300

tgaagctctg ataccactnt gttggaaata aggctntnta tgtttaggaa aagtgtttag 360

gaatattgga gacTntgaat agaaacttga taggaaggag aattctttta 410

<210> 16594
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16594

ntagccgctn taaactctgc atttagttca tcatcttggt ttaagacttt tactcctagg 60

gcatctggaa gaggtcaagg atcacaaaga gctgcagcag tggctgctct ttcacaagtt 120

gttacggccg aaaagaaaaa atcacctgat ggtttctctg ttgctagcag gagtcctatc 180

actcaaggta gcgctactgg taagaaaaac agttcttgtc taaatatgat gttgcattcc 240

ctgaatacaa tgggttggct gggttgaata ttttactaca ccctattact ttggtttata 300

cttttgaaat ttgaataatt aatataatcc tttttgttta gttctaatta tttgatattt 360

gttaatcata ataatagata ctgctagtaa actactaaga gtggagctct aagcgctaca 420

ttgatgtact actaaggggt ttattgagat tc 452

<210> 16595
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16595

tactttagct agatgggtcg attgccaaac ataaagctag gctggtggct attggattca 60

tgcaacaaga aggtttagac tatactgaag tatttgctct agtagcaaga ttggagactg 120

taagattgat tgtttccctg gctagctgga gaaattggaa actgtggcta ctaaatgtca 180

agtcagcctt tctaaatggg ccacttgatg aagaagtttt tgtggtacaa cctcctggct 240

tcatatgtaa aggtaaagaa caaaaggttt tgagactgaa gaaggccttg tatggcttga 300

aacaaacacc tagggcatgg aacaaaagga ttgattcctt tctcactggt tttggctttc 360

agaaatgctc agttgagcat ggtgtgtata tcanaacagt aagtgaaact aagattgtgg 420

tgctatactt agatgatgat gatttactca tcactgatag tag 463

<210> 16596
<211> 416
<212> DNA
<213> Glycine max

<220> <223> n is a, c, g, or t at all n locations
<400> 16596

agctttcac tctatctatt tttattaaaa ctcacataag acgataatgt gtatctattt 60

taagaaaaaa tgaaatttt aaaaatacta ttcaaccttc cttgtgttat ttgtctatgc 120

acaaataatg taaggacata aatagctcac tagaaatgaa gcttccattt gaacttcatt 180

tgaaatatat aatttgtctt taaatacaaa gaaatcacgt tttctcaaaa attaataaat 240

aagtaaaaat gaaaatgaca aaacaatctt gttccctttt aatttttctt tctcctttc 300

agctttcac taaatcatgt atttaattaa tataattaat tatgtaataa aaataaaggc 360

atcctanaat aaaggtctag taataatcac tttagatgca cttctg 406

<210> 16597
<211> 402
<212> DNA
<213> Glycine max

<400> 16597

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cgctcattaa gaactagctc ttttcttcct ctattgcctt tagttgaata cacctttgtt 120

tggttctcta tttggttctt aaccctctca tgcatcttct ttacaaattc tgacctagat 180

tcccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtgtt 240

aggggattaa acccatagac aacctcaaaa ggggactgct tggtggttct atgaacccc 300

ctgttgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgcctttc 360

agaagagccc ttataagggc ggataaagac ctattcacta cc 402

<210> 16598
<211> 397
<212> DNA
<213> Glycine max

<400> 16598

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ggtgctctac attatgctac tatcacacat ccaaaaatta gttttctctga caataaagtt 120

ttccaatttg tgagtcagcc aacagaacag gattgggttg ctgtcaagag aatcccgtgg 180

tatctaaagg gcacacttca ttttgggctg gaactggaac ccaatttttc tacaaagcac 240

tactctgttc atgccttttg cgatgctgac tgggcttcag accttgatga tcgaagctct 300

acctctgggg ctgttgtgat cttacgccca aatcttgtct cttggtgatc caaacagcaa 360

tctgttgtgg ccaggtccag tactgatgca gagtaca 397

<210> 16599
<211> 453
<212> DNA
<213> Glycine max

<400> 16599

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gaatgacaga tgtataagtg acaacatttg gagtacaaac tccacctttc tccatttcat 120

ccaacaattg caatgctctt tccatagacc cagacctaca aaagccatct aaaatggccg 180

ataaaatcac caaattgggc gaacatccat gtagtctcat aaccttaagc acagagtagg 240

cctcctcaga tcgacccgcg ttagagaatc cctcaactat tgccatatac gtaataagat 300

caggacaaag gccattggaa ctcatctcac tggtcaactt cagagccgtt tcaatgtcac 360

ccttcttgca acacaacctt ataaccagat tatacatgac agtgtcagcg tggaggttga 420

aagtgtcctc catcttcctc aacacccaca gag 453

<210> 16600
<211> 415
<212> DNA
<213> Glycine max

<400> 16600

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gaatgtatgt atacatgatt ttgatgatgt ctaaagaaga atcaaacaag tcttcatttg 120

cttcaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag 180

atcaagcctt gcctcaaaat gtagagattt caagtcatcc aaggcacatg taatcgatta 240

ccaatacatg taatcgatta ccaaggcaca tgaaagtgtg taatcgatta cacatcatat 300

gtaatcgatt accatagact ctgaacgttg ggaattcaaa ttttaaatga agagtcacaa 360

ntgttcaaga taaacaattg tgtaatcgat tacactaatt ctgtaatcga ttacc 415

<210> 16601
<211> 436
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16601

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tatggatgca tttaatgatt tgaacaccag attagtgtct gctccagtaa ttatagcacc 180

aaattgggggg caagaatttg agctgatgtg tgatgcaagt gattatgcca tatgtgcagt 240

gcttggacaa aggaagggaa aaaattttaa tgctatatac tacgccaaca tggttctaaa 300

tgatgcacaa gtgaactatt ctaccacaga aaaagaaatg ctggtaattg tttatgcact 360

tgtaaagttc atatcttatc tggtaggctc aagagttatc atctacactg atcacgcagc 420

tattacatat ttgctc 436

<210> 16602
<211> 338
<212> DNA
<213> Glycine max

<400> 16602

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caattcatta gcgggcctaa cttcagtgac caacatcatg ggatgtaccc agcctttgat 120

gaccgctttc caagttctgc tatccagaga tctgaggaag gccaccatcc ttgctatcca 180

gtattcataa caggatccat ccagaataga gggtctgtaa actgatccac cttctatcac 240

catgttcaac agacaagatc tccctagatc tcactcacag ataccgagtg ccacgactca 300

taccaatcga aattatgata ccaaagccac atgacgta 338

<210> 16603
<211> 380
<212> DNA
<213> Glycine max

<400> 16603

[illegible]

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ttgtcctttg atctgctgcc cttcattatg actttcactct tctaatttgt cacaaagcat 240

tctgactttg tgacagttac attgagtact tcatgacaca actgactgat gctgatcaag 300

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<210> 16604
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16604

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gaagaatgtg gcatttacct gtggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120

aaagcttact aaggcaccta ttctagctct tcctgacttt tctaaaactt ttgagctaga 180

atgtgatgcc tctggagtgg gagtcggagc tgtattgtta caaggtggac accctattgc 240

ttatcttact gaaaaacttt atagtgccac cctcaactac cccacctatg ataaagagct 300

ctatgcctta ataagagctc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360

catttatagt gatcatcaat cacttagtac attagagggc acagcaagtt aaacataagg 420

catgc 425

<210> 16605
<211> 400
<212> DNA
<213> Glycine max

<400> 16605

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catcaaggac aaaaaatgtt ctaaaaatgt ggtagcagac cacctatcca gattggtgaa 120

tgaagatgtc acttcaaaag aggttgaaat aagagataaa tttcttgatg aatcttttgtt 180

[illegible] 240

accaaaagac c[illegible]ggc agcagagaaa gagattcttc tatgatgcac actbattcaa [illegible]

agtnagtgta gataatctcc ttcgaagatg tgtgacaagt gaggaggccg atgggatatt [illegible]

gtggcattgt cacaattcac catgtggcgg gcattatggc 420

<210> 16606
<211> 445
<212> DNA
<213> Glycine max

<400> 16606

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caaacttgga ctcttacctc tctaccacca ataaaacaa ccattggttg tcgctaggtt 120

tacaagataa agtatcatgt tgacggctcc gttgaaaggt acaaagcacg cctagtcgcg 180

aaagggtata cccaaatgga aggtttggac tttctagaca ccttctctcc ggtagcaaaa 240

ctcaccactg tgcgtttact cctcgcccta actgcactta ataattggca cttacgacaa 300

ctagatgtga ataacgctct ccttcatggc gagcttaatg aagaagtcta catgcacatt 360

ccttagggtc tttctgtgga taatcctcat cttgtttgtc gccttcaaca ttccttatat 420

nggctcaaac aagccagtcg acaat 445

<210> 16607
<211> 399
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 16607

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agttttatgc aaccagaaaa ttttctctgc tgtcattgtt agagactaaa gcttaacttt 120

caagcatgtg taagaactaa aatttacaat tttctcgaaa ctaaactata aaatggaaac 180

aaccaagggg gaagatgaat aatttaacat caattataac atacctttg aaaattagtc 240

tcagcatcat tttcttcttc cgccttgatg atatctgtga ggtggtcaat caggttcaac 300

tccaacgtat ttttctgatt aatttntctgc aagcacacaa aataaaaaaa ataaaaaaat 360

[illegible] 444

<210> 16608
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16608

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acggtagatt ctgngtccaat ggactaagta tgagaccact tatttttgta catattagtt 180

tagggtttca ttatttttgg gtcttgtatt tacggctcca tagtgtaggg agggtaccct 240

aataatgtag gatttttcaa cccttgtatt ttagggcact tgactagttt tgtataaggg 300

tagttttgta atttacatgc attaagtgca ctatttg 337

<210> 16609
<211> 389
<212> DNA
<213> Glycine max

<400> 16609

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acccattggc cttctgtgaa tgttttgtct gtgcgcttaa gattgctctg ttgggtcata 120

cgatttcttg ctcgaatgag atttgttttc agtagctaca atatctcttt cttttgagaa 180

agtaattcct ctaacaaaga aattttggac acactaagta catgggaggc aatacaagga 240

ggcaatatgc catacaacgg ttcacatagg gacataccta tggttgaatg ataggaggaa 300

ttgtacccaaa attcagccaa tgggaggaaa cggatccacc attgtggttc atcactcaca 360

aagcaacaca agtacgtctt taaacatct 389

<210> 16610
<211> 437

<212> DNA
<213> Glycine max

<400> 16610

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tgcaacatat ttttttgggc taatactaac ttcaacattt ttacagcttc taatgttatg 120

attggtttgg ctaacacctt cacatgtaaa gtcaacgaat ttcctctttg acttatgtac 180

tnagacattg gtcttcatgt cagatctcct tctatatttc attggccttc ctgtatggac 240

gctttatgt ggaggaacag ggcgagtata ttgagtctgg gtccaatatt gcggtccttg 300

gaactgggtca atnaaaatgct ggtatgtctt atgatagact tctattgaca gccactcatg 360

gnacgtgtcc tcatgcttcc ctcctttgag agttattgcc gcaatgg 407

<210> 16611
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16611

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cttgtagaaa tcataggcat gtggagctcg cggaagtggc tgctatgcat ctaatggaat 120

tagagcctga gagtgctgcg aaccctcttc tgctgtccag cgtatatgct gatgctggca 180

aatggggaaa gtttgagagg gtcaagaaaa ggataaagaa gggaaaactg agaaaacttc 240

aaggtttgag ttggatagaa aatttataac attatangta cgttggttgg tagaggccat 300

angttttgct tcttcatgaa gagaagggca cacctactgg tataattttt gatgtatcgn 360

ttgtgctcct catg 374

<210> 16612
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16612

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ccatgtcgac accaaacacg tttgtttcca aggaaaaagg gataatgaag tccggcaaga 120

gtaaagtagg ggctatagaa agcacatcct tcaatccagt gaaaacttgt tgcgccttag 180

atgaccactc aaaggggtac ttcataagta agctggttaa ataagctgca atggaggcat 240

agctacgaat aaatcggtga tagaaacccg agaggcccaa aaaactgtgc aaggcgttgg 300

anganaagg tgtgggtcac tgctaaatgg cttggaccct agccgacact ggttcaactc 360

cttgtgcaaa aaccaggtga cccaagaact caacttgttg ctgggcaaag gtgcacttgg 420

atagtttgag gaagaactga ccatctagaa ggacctga 458

<210> 16613
<211> 447
<212> DNA
<213> Glycine max

<400> 16613

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aggtggagga cacatgaacg aaaacacaat tcatggggct ccgaaaaagg ggttgagaat 120

ggagaattac actaagcaat cactacgcat agctccaaac tcgaaggtgg aggacacatg 180

aaagataacg caattcatgg ggctccgaaa agattgagaa tggagaattg cactacgcaa 240

tcactacgca tagctccaaa cgcgaaggtg gaggacacat gaatgaaaac gcaattcatg 300

gggctccgaa aagattgaga atggagaatt gcactaagca atcactacgc atagctccaa 360

actcaaaggt ggaggacaca tgaacataac gcaattcatg gcgcttcgga aagagtgaga 420

atgtagagag gaactaatca atcacta 447

<210> 16614
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16614

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cttggttcaa gcacgacttt ctttctgctt tngttggctt gccttgcata gctcgcattt 120

ttcntttcaa tttgaacctt cacttgctca tgcaacttct tcatatactc agctttagcc 180

ngtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240

aaaggattaa atccatacac tatctcanat ggtgaacaat tagttgtgct atggacagcc 300

cgattataag caaactcaac atgaggcana caggcttccc aagatttaag attnttcttt 360

aaaacagtcc taagcagtgt gcctaaagtc ctatggacta cctcagttt 409

<210> 16615
<211> 446
<212> DNA
<213> Glycine max

<400> 16615

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gtcttgccgg tagcaactgc aagcgtggta catgtttttt cagctatgaa gtttgtgaag 120

agtcagctat gtaacaaaat gggtgatcaa tggttaaatg atctgaaatt ctgatactgg 180

ggacagatgt cgtacaggat gtcatgacat cgcgtttcag aacatgcaga ttatatgtgt 240

gtccgtatga acagattaaa caagtaaata acacatgaga attgttaacc cagttcggtg 300

caacctcacc tacatctggg ggctaccaag ccagggagga aatccactaa aatagtgtta 360

gttcaaggtc taacagccac tgtttacaac cttctcacct aaccactacc catgcgacct 420

ctacctatga gccactctta gatatg 446

<210> 16616
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16616

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ccatgtcgac accaaacacg tttgtttcca aggaaaaagg gataatgaag tccggcaaga 120

gtaaagtagg ggctatagaa agtacatcct tcaatccagt gaaaacttgt tgcgccttag 180

atgaccactc aaaggggtac ttcataagta acctggttaa ataagctgca atggaggcat 240

agccacgaat aaatcggtga tagaaacccg agaggcccaa aaaactgtgc aaggccttgg 300

aggaatgagg tgtgggtcac tgctaaatgg cttagacctt agccgacact ggttcaactc 360

cttgtccaaa aaccaggtga cccaagaact caacttgttg ctgggcaaag gtgcacttgg 420

atagtttaag gaagaactga ccatcta 447

<210> 16617
<211> 404
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16617

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tgagaatttg cttaggaaat ctaatatcat tctcatcaat gacttataag tgatctcgtg 120

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acaatatagt actaaaataga taattaaatt acaaaaatta atgaggttaa taattatgta 240

gatgatgtaa aaatttcttg aggggtttcc tagactatca atgataggaa acaacaggat 300

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tnctccatag gaagacttgt nacttctcca tangaacttc tctc 404

<210> 16618
<211> 462
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16618

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cttgatgaag acactgacaa aaacttatct tctcctttgt ggacaaagtg tgacaagcct 120

gnggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgctcgt atccccatgt 180

cagctagatc ttgacggata ttcaagccat ccttcgtctt gccttgaatg tttaggagcg 240

tcccaatcac attatcacat acatttttct ccacatgcat aacatcaata caatgtctaa 300

ngtccagatc agaccagtat gggagattcaa agaaaatgga cctcttcttc catatgcaag 360

tcttactctt atccttcttt tgggtctttc caaatacaat attcaggtgt tgaacccgct 420

agtataccta ttcaccagtc aacagtatcg gtgcaatatc gt 462

<210> 16619
<211> 447
<212> DNA
<213> Glycine max

<400> 16619

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cntgttcttg ttgctttcaac tagatgggta gttgatgtac gcgctttttt ttaaacttga 120

atatgattgt aaatgttgtg tgttcttctt gtaaacacaa tcatgagtta caagttgctt 180

atgtaactaa aatttctcat ttgattgcca atgatgagat tgatattgga aggggaacta 240

atcaaattga ctattacag agtgtgggag ataccagatg gagttcttat ttcaattcga 300

ttggtattct tttatgcatg tataatgcat ctacagcagt tcttgaagaa ttagctgcta 360

aatgatctac tgttacttcaa tgaggtatgc tactgattgg ccaaaagcat attgtcattt 420

gatgtatttt acttctatatg tatgaaa 447

<210> 16620
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16620

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aaattgccac caagtccaag agtgtgcaac aaaggaagat tcccaacctg gaaagggagt 180

gctcccgaaa atgaattctc accaagatca agatacctca actgtgagag attttcaagt 240

tgatatggga gttccccatc tagatcatta tcacttagat caagatattg taaatgcgta 300

aggtttccaa gttgataagg gagttcccca tctagatcat tatcacttag atcaagatat 360

tgtaaatgtg taaggtttcc aagttgataa gggaattgtc catggagata aa 412

<210> 16621
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16621

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ttacaacttg aacaacgttc tcttccccaa cttcctccac aatagcatca agcaactcaa 180

aaagcttttc acctgtcttt acaaaatcag agtcatcaac agacttcaaa aacattgtac 240

caacttgaga gttaataaaa aactaatgat gcatctttgt ttccaatcag tccatgcatc 300

ggaataaata gtacaaccat acttgaccca ttgctccttg tggcctttca tcaaaattcc 360

agtgtattca acttccttct tcaggagtgg aacttctgatg tcatgatagc 408

<210> 16622
<211> 399
<212> DNA
<213> Glycine max

<400> 16622

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ctaaaatcaaa gaggaaaggg gccaaaggat ctttttgtcg cagccctctt tgaggtttaa 120

acttctgaagt agggcttcca ttaacaagaa tagagatgga agctgaagag aagcaggcct 180

ttatccatct aatccatctc tcatgaaacc ccattctctt catcatataa atgagaaatt 240

gccacgaaac agaatcataa gccttctcaa agtctacctt atagaccata caagacttct 300

tggatcttcg agcctcctca atcacctcat tagccaccaa aactccatga agcaaatgtc 360

tgccttttat atatgttgtc tgcctttcat ctataagac 399

<210> 16623
<211> 456
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 16623

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gcatctgata taatttaaaa tgtaagtcca acatcagttt tcaataaata aataaaaatc 120

gatgttaaca aaatgatgtt aacattaaca tcggttttct gcaagaaacc gatgttaact 180

tatcacacat taacatcaat tttctaaaaa cccgatgtta acgaacttac gttaacatcg 240

gttcttccaa aatcgatgtt aactaataaa tgttgacatc gattttttcaa gaaccgatgt 300

taatgaaaag tcacttcatt aacatcgaat tttcaaaaaa ccgatgttaa tgaatacaca 360

ttatttgcaa ttatgtcacc gcatttatct taacatcggt tntgtcaaaa atcgatatta 420

atttgccgat gttaaatctg ctntgtgtag tagtgt 456

<210> 16624
<211> 450
<212> DNA
<213> Glycine max

<400> 16624

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acatacctct ctaatagcaa agctcacctc cttgagatga gaagctagag cttagctaca 180

cacccctat aatagctaag ctcaccccca tgacaaaata catgaaaata caaaaaaaat 240

cactactaca aagactactc aaaatgcctc gaaatacaag gctaaaaccc tatattacta 300

gaatggccaa aatacaagac ccaaacgaaa ggaaaaacct attctaatat ttacaaagat 360

aagcgggctc atacttagcc catgggctca aaatctaccc taaggctcat gagaacccta 420

gggccttccc ttggatctct ggtccaatct 450

<210> 16625
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16625

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ttaacatcgg ttttaaaaac tgatgttaac ataaaaatat taacatcagt tttataaata 240

accgatgtta taaagaaaga agtacaacaa aataagtgta tgcgtgaggg acgttggcat 300

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<210> 16626
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<212> DNA
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<223> unsure at all n locations
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[illegible]

[illegible]

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tctgaattcc gttttgtgaa tatcatcatc tttcat 396

<210> 16627
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<212> DNA
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<400> 16627

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aaaagcgcat ttgggtcgtt tcaaggagaa cttccctgaa agcaagagct tgaacgctgt 180

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gacgatgatg aatctgcgta agcagggctg aaagagctga ttcatagtag cttgaaaggt 300

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aataaaacta tattatctac acaaaaagta cacttctcta tattggcata gagagtgttt 180

atcctaatga ctgaaagaac ttgccttaca tgtcctaagt gatatatgct cttacttatac 240

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<210> 16629
<211> 400
<212> DNA
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<223> insure at all n locations
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cccctcttca ctatagcaca atggatcagc attcctaaaa ttaccttggc agaatcattg 180

caaacatcta tgaggcttgc aaatgtaatc tcagatggct tcagtcccaa tatctgcatc 240

tcataaagaa gattaataga ttcttttgtg ttttttagag catatcctgc aatcagagca 300

ttcacagaga ccacactctg ctccggcatg ctagaataaa ttntatgtgt atcttcgatg 360

tccccgcact ttgaatacat gtcaataaga gaacttccag 400

<210> 16630
<211> 388
<212> DNA
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<400> 16630

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gtttacaagg gcattctacc tgatggctca atggttgctg tgaaaaggct tgaagaatca 180

gattctcaag gtgatgcttt gttctgcagt gaggtggaga ttgttagcaa cttgaagcac 240

cgaaatctgg taccgctaaa agggtgttgt gtggttgatg agcggaatga taatcacaat 300

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<400> 16631

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tacatgtctg acttccgacc caactgtttc tgtggtaaaa taattttgcac cgaatgggaa 360

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<212> DNA
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ctgacattgc taaagcatgc aagaacccga ggaacaccct cacttggacc atcaatgcca 180

ggaatgaaat ccattcgagg tccaatccag ttaaaaggcc tcacaattgt gaactccaag 240

ccattttcag caccctcagc tgccaataat cacacatcag tgagaattaa caaaattgaa 300

aaagaaaaaa aaaaacaaca cctaaacaaa aacaaatcaa aactcaccat aaatcagcct 360

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<223> unsure at all n locations
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